





# The Home Entertainment SourceBook

## SourceBook

# Section 6

## Televisions

Audiovox .....	278-279
JVC .....	280-285
Panasonic .....	286-291
Philips .....	292-295
Pioneer .....	296-297
Samsung .....	298-311
Sansui .....	312-313
Sharp .....	314-319
Sony .....	320-329
Toshiba .....	334-337

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**FPE1080****8" LCD TV/DVD Player Combo**

*Incorporating an 8" flat panel LCD TV with built-in slot-loading DVD player, built-in side speakers (3-watts per channel) and a removable swivel stand, the space-saving FPE1080 provides sharp, well-defined and clear images at an affordable price. Enjoy TV programming, music, personal photos and DVD movies from audio CDs, DVD-Video, DVD-R/RW, or CD-R/RW discs with MP3 and JPEG files. For DVD play back, enjoy features such as skip and search, subtitle, language change, child lock or different camera angles. For added convenience, it also has slots for SD and MMC memory cards.*

- ◆ Plays DVD-Video, DVD-R/RW as well as MP3 files recorded on CD-R/RW discs. You can also play back JPEG files on a Picture CD. Create a slide show to see the pictures one after another automatically.
- ◆ Playback functions include FF, REV, skip and search. You can also skip through the DVD to certain chapters.
- ◆ Multi-language on-screen display (Japanese, English, French, Spanish and German ).
- ◆ Parental control feature with password required.
- ◆ Enjoy MP3 or digital images recorded on SD or MMC memory cards via built-in card slot.

**FPE1506****15" HDTV-Ready 4:3 LCD TV**

*Bring high-quality video and audio into your living room with a stylish TV that not only complements your room decor, but also provides a host of other features for your enjoyment. The FPE1506 has a high-resolution panel that delivers superb images with high brightness and contrast ratio. Enjoy HDTV programming or your favorite DVD movies in progressive scan, while the two detachable side-mounted 3-watt speakers complement the images with high-quality stereo sound. The speakers are mounted vertically on either side of the LCD screen. Provides an HD component video input terminal to connect your DVD player. You can also use the TV as a computer monitor. Has a unique tilt and swivel stand for added convenience.*

- ◆ Accepts 480i/480p/720p/1080i signals, making it perfectly suited for HDTV program reproduction. (The FPE1506 is an HDTV monitor only, so you need a decoder/receiver to display high-definition content.)
- ◆ Proprietary flat panel technology reduces glare and provides high-quality images with high brightness of 450 cd/m<sup>2</sup> and 400:1 contrast ratio.
- ◆ 140° (H) and 110° (V) viewing angle lets you watch from different directions.
- ◆ You can use the TV as your computer (PC) display. It has a 15-Pin D-sub input for PC to TV connection. In order to use the TV as your PC display, set the input signal to VGA mode.
- ◆ Side mounted, detachable speaker panels provide excellent stereo sound of 3-watts per channel. The speakers also provide SRS surround sound. The speakers are mounted vertically on the two sides of the LCD panel.
- ◆ Incorporates V-chip technology that allows parents to exercise viewing control on their kids for specific channels. The user must enter a 4-digit password to change (or set up) the restrictions imposed by V-chip.
- ◆ Closed Caption feature displays conversations, narrations and sound effects of encoded TV broadcast programs and videos.
- ◆ Comes with a unique tilt and swivel stand for your convenience. You can tilt the screen up to 10° upward or 5° downward.



## FPE1506DV • FPE1906DV

## 15- and 19" HDTV-Ready LCD TVs with Built-in DVD Player

The FPE1506DV (15") and FPE1906DV (19") are LCD TV/DVD Player combos that provide sharp, well-defined and clear images in 4:3 aspect ratio at an affordable price. Enjoy high-definition (with an additional receiver/decoder) TV programming and your favorite DVD movies in progressive scan. You can play back different media formats such as DVD-Video, DVD-R/RW, DVD+R/RW, Video CD, SVCD or CD-R/RW discs with MP3 and JPEG files. For your audio entertainment, it provides stereo sound of 3-watts per channel and superb SRS surround sound. For even more versatility, they have a 3-way flash memory port (SD/MMC/MS) with built-in USB connector. You can also use them as your PC display, and they have a removable tilt and swivel stand for your convenience.



## FEATURES

- ◆ Accepts 480i/480p/720p/1080i signals, making it perfectly suited for HDTV program reproduction. (The FPE1506 is an HDTV monitor only, so you need a decoder/receiver to display high-definition content.)
- ◆ Proprietary flat panel technology reduces glare and provides high-quality images with high brightness of 450 cd/m<sup>2</sup> and 400:1 contrast ratio.
- ◆ 140° (H) and 110° (V) viewing angle lets you watch from different directions.
- ◆ Use them your computer (PC) display. They have a 15-Pin D-sub input for PC to TV connection. In order to use the TV as your PC display, set the input signal to VGA mode.
- ◆ Built-in speakers provide excellent stereo sound of 3-watts per channel. The speakers also provide SRS surround sound.
- ◆ Incorporate V-chip technology that allows parents to exercise viewing control on their kids for specific channels. The user must enter a 4-digit password to change (or set up) the restrictions imposed by V-chip.
- ◆ Closed Caption feature displays conversations, narrations and sound effects of encoded TV broadcast programs and videos.
- ◆ Comes with a unique tilt and swivel stand for your convenience. You can tilt the screen up to 10° upward or 5° downward.
- ◆ They are compatible with DVD-Video, DVD-R/RW, DVD+R/RW, Video CD and SVCD discs. During playback, perform convenient operations such as fast playback or slow playback (no slow playback for CD). You can also search by time, repeat a chapter for DVD (or a track for CD) and zoom (not for CD) to achieve several zoom effects. Use the programming feature to change orders (12 chapters of a DVD or 12 tracks for a CD).
- ◆ Play MPEG and WMA files recorded on CD-R/RW discs. You can also play back JPEG files on a Picture CD. For JPEG play back, in addition to normal playback, you can also rotate and zoom a picture.
- ◆ Select the aspect setting from normal (4:3) or wide (16:9). You also have to select the display mode settings from three available settings of Panscan, Letterbox or Wide.

	FPE1080	FPE1506	FPE1506DV	FPE1906DV
Screen Size	8"	15"	15"	19"
Aspect Ratio	4:3	4:3	4:3	4:3
Pixel Resolution	640 x 480	1024 x 768	1024 x 768	1440 x 900
TV Scan Lines	480i	up to 1080i	up to 1080i	up to 1080i
NTSC Tuner	181	181	181	181
Built-In Speakers	Stereo	Stereo	Stereo	Stereo
Card Reader	SD/MMC	–	3 way w/ USB	3 way w/ USB
Size w/ Stand	10.8 x 8.5 x 4.6"	6.9 x 15.3 x 14.7"	6.9 x 15.3 x 14.7"	19.4 x 7.2 x 16.2"
Size w/o Stand	10.8 x 7 x 3"	–		
Weight w/ Stand	3.9 lbs	12.8 lbs	12.8 lbs	18.2 lbs
Weight w/o Stand	3.3 lbs			
Included Accessories	AC/DC Adapters, A/V Cable Remote Control	Remote Control	AC/DC Adapters, VGA, A/V & PC Audio Cables Remote Control	AC/DC Adapters, VGA, A/V & PC Audio Cables Remote Control

## LT-32X787(887) • LT-37X787(887) • LT-40X787(887)

### 32-, 37-and 40" High Definition LCD Flat Panel TVs

JVC's sleek and stylish, high definition flat panel TVs bring a new dimension to home theater. Designed to excite the most extreme audio visual enthusiasts, they will also influence the creative minds of the most discriminating home decorators. In addition to a new cabinet with a slimmer frame, they have every feature required by demanding digital customers. Available in silver (787 Series) or black (887 Series) they each use a 1366 x 768P WXGA panel and include fifth generation D.I.S.T. (Digital Image Scaling Technology) 770p, Genessa 32-bit CPU video processing, and new ATSC/QAM/NTSC tuning system. They offer a 800:1 contrast ratio, 500 cd/m<sup>2</sup> brightness and a 178° viewing angle. They have a host of advanced features like exclusive 5-Point Color Management Circuitry, HD Range DSD (Digital Super Detail) correction circuitry, Motion Adaptive Dynamic Gamma Correction Circuitry and TheaterPro 6500K Color Temperature. They each include dual HDMI input, two component inputs, two S-Video inputs, PC input and a fixed audio output.



#### FEATURES

##### High Quality Picture

- ◆ High resolution (11366 x 768) widescreen W-XGA LCD display provides high brightness, wide viewing angle, and a flicker-free high resolution widescreen picture.
- ◆ They accept 1080i, 720p, 480p and 480i signals and display at 768p.
- ◆ 3D Y/C comb filter corrects hanging dots, color bleeding, and other cross color interference for a clear, sharp picture.
- ◆ Natural Cinema (3-2) Pull Down technology ultimately helps produce a smooth image virtually free of edge noise so you can enjoy the perfect home theater experience.
- ◆ Natural Cinema (3-2) Pull Down technology produces a smooth image virtually free of edge noise when watching a video originally shot as film at 24 fps (frames per second) so you can enjoy the perfect home theater experience.
- ◆ Digital Noise Clear Circuitry enhances the video quality from less than perfect sources by reducing the video snow found on older videos such as rentals and home movies. It also helps to reduce the snowy lines attributed to poor tracking settings on VCRs.

##### 5th Generation D.I.S.T. with GENESSA 770p

- ◆ Digital scaling is an absolute necessity for any brand of high definition display, because the majority of signal sources still are not HD. Without proper scaling, the limitations of original video sources are readily apparent. For example, while flat panel HDTVs reproduce high quality images from high-definition sources, when it comes to older video sources like classic TV sitcoms and DVDs, they are almost over-qualified and their limitations are actually magnified on the screen. For example, a DVD is a typical 480i source but an LCD is a 770p display.
- ◆ JVC's 5th generation D.I.S.T. (Digital Image Scaling technology) detects and seamlessly converts any video source to 770p through the use of exclusive algorithm technology. Jagged lines inherent in the original source are smoothed and vertical resolution enhanced thus insuring superior resolution and dynamic cinema-like picture. But it doesn't stop there. They also include the GENESSA chip—the world's first CPU dedicated to image processing. GENESSA provides 32-bit "turbo" powered picture processing to insure faster and more efficient sampling that drastically reduces jagged edges and increases the resolution of any video source.

##### HD Range 75MHz Digital Super Detail (DSD)

- ◆ Keeping images in focus during high action scenes is a challenge for any display because they are often low contrast scenes from the source. JVC's exclusive state-of-the-art HD Range 75MHz Digital Super Detail works to insure that images are always reproduced with a minimum of that inevitable and unwanted blur.
- ◆ Digital Super Detail is always on and always working to reproduce completely focused images for both still and high action scenes alike. In typical high action scenes there is often less contrast on the edges of the fast moving objects which appears as unwanted blur. For these scenes Digital Super Detail enhances the edges from moving objects to minimize blur. For minimal action scenes Digital Super Detail adds a natural compensation for slow motion and eliminates edge glare from still images for a beautiful picture all the time.

# LT-32X787(887) • LT-37X787(887) • LT-40X787(887)

## Conveniences

- ◆ V-Chip program blocking lets parents use TV rating codes to block out programs from children. Channel Guard controls TV use and prevent video games and other sources from being displayed.
- ◆ Interactive plug-in menu system turns on automatically the first time you turn on the TV and prompts you to select your default menu settings.
- ◆ A table top stand comes standard and allows you to swivel and/or tilt the angle of the LCD television for the perfect viewing experience.
- ◆ They feature VESA compliant screw holes (100mm x 100mm) for easy wall mounting.
- ◆ High-speed channel changer. Press and hold the Hyper Scan button for blazingly fast consecutive channel changing.
- ◆ Return + feature lets you set a channel to be returned to after channel surfing. Ordinary Return brings you back to the last channel viewed.
- ◆ XDS ID display and Auto Clock Set for automatic detection and setting of channel IDs and date and time data
- ◆ Smart Input allows multiple sources connected to an AV receiver to be connected via the receiver's monitor output to a single input on the TV. Sources can then be easily selected using the receiver's remote.
- ◆ In addition to their front firing oblique cone speakers (20-watts total audio power), Advanced Hyper Surround Sound employs virtual speakers to create a surround sound effect without the need for rear speakers.
- ◆ MaxxBass digital signal processing extends the perceived bass performance
- ◆ With fixed audio, sound can be sent to additional equipment like an A/V receiver, speakers or wireless headphones.
- ◆ High contrast graphic on-screen displays in English, French and Spanish
- ◆ Auto sensing component video input assures the best possible picture quality, whether watching DTV, D-VHS or DVD.
- ◆ Other features include front panel lock, 10-minute automatic shut-off, sleep timer (up to three hours in 15-minute intervals), and five video status settings (Theater, Dynamic, Game, Standard, Theater Pro 6500K).
- ◆ They include a universal remote control

## Adjustable Widescreen Aspect Modes

- ◆ Six adjustable widescreen aspect modes allow you to adjust the aspect ratio to suit your viewing preferences. They include Panorama/Cinema/Full and Regular modes for SD/ED (480i/480p) signals and Panorama/Cinema Zoom and Full for HD (1080i/720p) signals. Panorama and Cinema modes for all signals are vertically adjustable.
- **Panorama mode** stretches a normal 4:3 aspect to fill the 16:9 viewing area
- **Cinema mode** "zooms in" on the center portion of a 4:3 image and expands it to fit the entire 16:9 viewing area
- **Full mode** displays 16:9 HD signals at the perfect ratio
- **Panorama Zoom mode** stretches HD16:9 modes to eliminate side bars
- **Cinema Zoom mode** expands an HD16:9 image to eliminate the surrounding bars
- **Regular mode** makes no adjustment to the incoming signal

## Motion Adaptive Dynamic Gamma Control

Flat panel displays are sometimes inefficient at reproducing smooth grayscales—especially during high motion scenes. Therefore gamma control is needed so that darker areas don't lack detail and appear muddled. JVC's Motion Adaptive Dynamic Gamma Control is a highly sophisticated algorithm that utilizes data from every signal level, and then specifically targets only areas of highly dark image data so that the entire processing power can work in trouble areas alone. This allows Dynamic Gamma Control to concentrate more completely than standard dynamic gamma features that apply the process to the entire picture. Dynamic Gamma Control is always on and always working so that tonal gradations are preserved and darker images never appear muddled on these flat panel displays.

## Connections

For connectability they are equipped with a 15-pin D-Sub PC input with stereo audio mini jack, RF-input, two component and two S-Video inputs, three side AV inputs and dual HDMI/HDCP digital inputs. HDMI is an uncompressed digital video and audio interface that supports multi-channel digital audio transmissions and component color spacing for true rendering of HD video.

## 5-point Color Management System (CMS)

JVC's exclusive 5-point Color Management System (CMS) uses a unique pin-point color sampling process that produces image color purity all the time. By applying pin-point sampling to each color range, CMS determines which colors require softening and which require toning down. The process insures that colors are never harsh or muddled but always natural and pure.

- ◆ Point 1 samples greens so they appear bright and not yellowed.
- ◆ Point 2 samples yellows so that they never appear harsh or green.
- ◆ Point 3 samples reds so they appear fresh and don't take on a bluish cast.
- ◆ Point 4 samples blues so they are not muddled by greens.
- ◆ Point 5 samples flesh tones so that they always appear warm and natural.

## D6500K TheaterPro

The goal of having the perfect home theater experience is for it to be as close to that of going to the movies as possible. Therefore, when films are converted to DVD or other video sources, the color temperature standard they use for their equipment is D6500K, but in transition to DVD, this temperature can be lost. With the press of a button, JVC's exclusive D6500K TheaterPro technology does just that. With the press of a button, the TheaterPro calibrating circuit brings that original warm look and feel back to any video source.

## LT-37X987

### 37" High-Speed High Definition LCD Flat Panel TV

JVC's LT-37X987 is a high definition flat panel LCD television incorporating new technology to deliver crisp fast action images, typically a weakness in LCD performance. Stepping up from the LT-37X787(887), the LT-37X987 employs JVC's new Clear Motion Drive, which produces images at 120 frames per second (120Hz), double the typical rate, and inserts an interpolated image. The result is a significant reduction in blurring or ghost images, often a problem with conventional LCD TVs. Other step-up features include JVC's Smart Package, comprised of Smart Picture, Smart Sound and Smart Input. Smart Picture controls the average peak level of brightness, compensating for scenes that might be too dark or too bright. Smart Sound is an automatic volume limiter that keeps programming and commercial sound levels constant. Smart Input allows multiple sources connected to an AV receiver to be connected via the receiver's monitor output to a single input on the TV. Sources can then be easily selected using the receiver's remote.



#### 120Hz Clear Motion Drive

By operating at 120Hz the LT-37X987 is able to display twice as many frames as a conventional LCD display. This reduces motion blur in images as they move across the screen, bringing a new dimension to home theater. Clear Motion Drive uses a high-precision interpolation algorithm and a 120Hz refresh rate (as opposed to the 60Hz refresh rate used in most televisions) to insert an interpolated image, displaying two frames – the original plus the new interpolated frame – in the time a 60Hz set displays a single frame. The result is less blurring of moving images. In addition, JVC's Clear Motion Drive's use of an interpolated frame minimizes flicker and delivers a brighter image. The LT-37X987 also boast a fast liquid crystal response time of 6ms, which contributes to reduced image blur.

	LT-32X (787/887)	LT-37X (787/887)	LT-40X (787/887)	LT-37X987
Screen Size	32"	37"	40"	37"
Aspect Ratio	16:9	16:9	16:9	16:9
Pixel Resolution	1366 x 768	1366 x 768	1366 x 768	1366 x 768
TV Scan Lines	720p	720p	720p	720p
PC Input	15 pin D-Sub XGA/VGA			
S-Video / A/V Inputs	2 / 3	2 / 3	2 / 3	2 / 3
Component Inputs	2	2	2	2
HDMI Inputs	2	2	2	2
Total Audio Power	20 Watts	20 Watts	20 Watts	20 Watts
Card Reader	Yes	Yes	Yes	Yes
Size w/ Stand	31.5 x 23.3 x 10.6"	36.3 x 25.3 x 12.3"	39.4 x 29 x 12.8"	36.25 x 23.875 x 5.75"
Size w/o Stand	31.5 x 21.5 x 5.5"	36.3 x 23.8 x 5.1"	39.4 x 26.5 x 4.6"	N/A
Weight w/ Stand	38.3 lbs	51.3 lbs	68.2 lbs	
Weight w/o Stand	35 lbs	44.7 lbs	55 lbs	41.6 lbs
Included Accessories	Remote Control	Remote Control	Remote Control	

## LT-40FN97/LT-40FH97 • LT-46FN97/LT-46FH97

### 40- and 46" High Definition 1080p LCD Flat Panel TVs

*The next evolution of HDTV, JVC's 1080p LCD Design features a true*

*1920 x 1080 pixel structure that delivers resolution to rivals reality.*

*JVC's 1080p LCD TVs include the 40" LT-40FN97 and 46" LT-46FN97, and the RS-232-equipped 40" LT-40FH97 and 46" LT-46FH97.*

*Each uses a 1920 x 1080p native resolution panel. Outstanding picture quality is ensured through the use of JVC's Genessa 32-bit CPU video processing, incorporating the fifth generation of JVC's D.I.S.T. (Digital Image Scaling Technology) with Genessa picture processing, which seamlessly up-scales any video source to display at full high definition 1080p. Standard definition signals are improved through new Natural Progressive IP conversion, improved scaler performance and a new PLL system that improves the performance of a composite signal.*

*Genessa includes a Digital Video Noise Reduction that reduces the*

*"graininess" for both analog and digital video source, a Block Noise Suppressor*

*that detects and eliminates "block noise", a Mosquito Noise Suppressor that eliminates noise in low bit-rate signals without degrading the image, and a 3D Y/C comb filter with DTV Cross Color Eliminator that uses an advanced 10-bit 3D Y/C separation process to eliminate cross color and dot interference that is imbedded in older source material. They also feature a new ATSC/DRC/QAM/NTSC tuning system, MaxxBass and parametric equalizer, two IEEE 1394 inputs, two HDMI inputs, two component inputs, two S-Video inputs, PC input and an AV output.*



#### Step-up features from LT-40x787(887)

- ◆ They let you make the most of your widescreen display by offering Twin Mode, Index and Freeze.
- Twin mode lets you view two programs (one TV, one video) in same size windows side-by-side on the screen. The Swap button on the remote transfers the Twin to the Main position.
- Index lets you search what's on by scanning the programs consecutively in 12 separate windows. The Select button on the remote control brings you to that channel
- Freeze creates a snapshot of the screen in separate window when you press the Freeze button
- ◆ i.LINK (IEEE1394) interface lets you connect your i.LINK compatible devices like a DV camcorder directly to the TV.
- ◆ Picture quality is further enhanced through JVC's unique Natural Progressive picture improvement technologies that optimize signal quality before the picture is displayed on the screen. JVC's 10.95 million pixel Natural Progressive technology doubles the image data in each field and uses advanced 3D interpolation to display a solid image without noticeable scanning lines and eliminates jagged edge noise and image trails.

	LT-40FN97 / LT-40FH97	LT-46FN97 / LT-46FH97
Screen Size	40"	46"
Aspect Ratio	16:9	16:9
Pixel Resolution	1920 x 1080p	1920 x 1080p
TV Scan Lines	1080p	720p
PC Input	15 pin D-Sub XGA/VGA	15 pin D-Sub XGA/VGA
S-Video / A/V Inputs	2 / 3	2 / 3
Component Inputs	2	2
HDMI Inputs	2	2
Total Audio Power	20 Watts	20 Watts
Card Reader	No	Yes
Size with Stand	39.4 x 29 x 12.8"	44.4 x 30.6 x 13.5"
Size w/o Stand	39.4 x 26.5 x 4.6"	44.4 x 28.5 x 4.9"
Weight with Stand	68.2 lbs	82.5 lbs
Weight w/o Stand	55 lbs	68.2 lbs
Included Accessories	Two Way Splitter Remote Control	Two Way Splitter Remote Control

## HD-ILA

### 56-, 61- and 70" Rear Projection 1080p HDTVs

*The most amazing picture imaginable is what you will see with JVC's HD-ILA rear projection TVs. They incorporate 0.7" 1920 x 1080 D-ILA microchips which use LCOS (liquid crystal on silicon) technology—renowned for its close pixel spacing to deliver a bright, smooth image. The three-chip structure continuously reproduces a flicker-free picture, while the invisible pixel structure ensures that there are no color or motion artifacts. A true analog grey scale provides outstanding gradations of black levels. Outstanding image quality of both standard and high definition signals is ensured through the use of a new optical engine with JVC's Advanced Super Cinema Mode that responds to scene content to provide optimum black levels and accurate gradation in dark scenes.*

*They employ Genessa 32-bit CPU video processing with JVC's 5th generation*

*D.I.S.T. (Digital Image Scaling Technology) to seamlessly up-scale any video source to display at full high definition 1080p. Standard definition signals are improved through better IP conversion, improved scaler performance and a PLL system that improves the performance of a composite signal. D.I.S.T. also includes a Digital Noise Suppressor that detects and eliminates "block noise", a Mosquito Noise Suppressor that eliminates noise without degrading the image, and a 3D Y/C comb filter with DTV Cross Color Eliminator to eliminate cross color and dot interference that is imbedded in older source material. FN Series sets feature a silver cabinet with black bezel. FH Series televisions include an RS-232 interface, gold jacks, and a black cabinet and bezel.*



There are three primary technologies that lead the microdisplay revolution—LCD, DMD and LCOS devices. But D-ILA has two distinct advantages over the others—both stemming from its superior device design. D-ILA is the only device type that can boast maximum mega pixel placement capacity and no loss of light during the image production process. LCD and DMD, and even other forms of LCOS, invariably lose some space on which mega pixels can be placed and some of the original light source will be blocked—both of these limitations are a consequence of their design.

D-ILA (Direct-drive Image Light Amplifier) devices are a highly sophisticated form of LCOS. D-ILA combines the use of a single high power user-replaceable lamp, three vertically oriented LCOS microchips, a precision focus lens, and a truly unique polarized beam splitter to combine all the colors of the images.

D-ILA is resistant to screen burn-in issues that can occur from video game play and other static images. Other panel display types, CRT TVs and RPTVs are all prone to screen burn-in damage which is permanent and can ruin your TV viewing experience.

D-ILA microchips add an inorganic alignment layer that maximizes chip production and stabilizes device performance. This unique structure insures a longer life device and maximum performance every step of the way. The result is television images consistently superior in resolution, grayscaling, brightness, and color reproduction that doesn't diminish over time.

#### LCD — fair brightness capability

LCD is a transmissive technology that allows light to pass through liquid crystal microchips to provide image data to the screen. The main drawback of LCD is that transistors are required on each pixel, and wires must run between each pixel to transmit the image data. Combined, these wires and transistors limit both the total area through which light can pass (limiting brightness) as well as the total area on which pixels can be placed (limiting the megapixel ratio).

#### DLP — reduced brightness capability

Digital Micro-mirror Devices known as DLP employ a reflective technology that uses micro-mirrors on hinges to reflect image data to the display screen. The main drawback of DMD is that a hinge is required on, and a space is required between each pixel to allow the mirrors to move. This space between the pixels and the space occupied by the hinges both limit the total reflective space available per pixel (limiting brightness) as well as the total area on which pixels can be placed (limiting the megapixel ratio).

#### D-ILA — best available brightness capability

HD-ILA employs D-ILA, also a reflective technology, but it utilizes a special form of LCOS pixels which require virtually no space between them. This allows D-ILA to yield the highest aperture ratio (reflective area) and therefore the greatest total area for placing mega pixels is maximized. D-ILA further improves upon LCOS by using vertically oriented pixels and by adding an inorganic alignment layer that both stabilizes device performance and maximizes chip production.

## HD-ILA

**The D-ILA Advantage—Custom Features and Superior Technology**

- ◆ The high power lamp that provides the HD-ILA televisions with their exceptionally bright images boasts a long life span. But, more importantly, unlike other microdisplay types, they are user-replaceable. There is no need for a service technician. When it's time to replace the lamp, the turn of a finger screw or two (depending on which model) reveals the lamp housing and the old lamp can be pulled out and replaced with the new one.
- ◆ The unique custom designed lens assembly developed especially for D-ILA devices consists of 13 separate glass components and an aspheric resin coated lens that insures full-time precision focus and low distortion no matter how demanding the scene. A total of 32 layers of anti-reflective coatings on each element minimizes internal reflections and allows for crystal-clear pictures and natural image reproduction.
- ◆ After the light is reflected off each color microchip, it is directed to pass through the polarized beam splitter which can only be described as an amazing combination of custom designed prisms that work in unison to recreate all the colors of the rainbow. Since the colors are all combined simultaneously, the polarized beam splitter minimizes any potential loss of contrast and is able to maintain image uniformity.
- ◆ Because JVC employs D-ILA 3-chip LCOS technology, the image on an HD-ILA will never show a rainbow effect that results from using single chip color wheel technology. Color wheels create images by sending sequential pulses of light that are combined by your eyes and your brain. Usually the process happens so fast you don't notice it. The downside is, if you do notice this, it appears as a flashing rainbow in front of you and you may find it bothersome. By utilizing three chips to simultaneously reflect the light and the polarized beam splitter to combine the colors, your eyes and brain can rest and enjoy.
- ◆ "Screen door effect" is an inevitable consequence of display technologies that require a space between pixels for moving parts or transistor wires. The effect of having these spaces appear as though you are viewing the images through a screen door, hence the name. Since D-ILA requires virtually no space between pixels, images always appear seamless.

**56" Rear Projection HDTV**

HD-56FN97 (silver)  
HD-56FH97 (black)  
50" x 37 1/2" x 17 11/16",  
it weighs 88 lbs.

**61" Rear Projection HDTV**

HD-61FN97 (silver)  
HD-61FH97 (black)  
55 1/4" x 40 x 19"  
it weighs 99 lbs.

**70" Rear Projection HDTV**

HD-70FN97 (silver)  
HD-70FH97 (black)  
64 1/8" x 46 x 20 1/2",  
it weighs 159 lbs.

**HD-ILA TV FEATURES**

True 1080p 2-million Pixel Structure 3-Chip DILA System (1920 x 1080)

ATSC/QAM and Digital CABLECARD Capable (Digital Cable Ready)

5th Generation D.I.S.T. 720p (Digital Image Scaling Technology) + GENESSA Picture Processing

Flicker Free High Resolution Picture

MPEG Noise Reduction; Mosquito Noise Suppressor; Component Cross Color Eliminator

Digital 5-Point Color Management

150 MHz Digital Super Detail

Natural Cinema (3-2 Pulldown)

Natural Progressive Line Doubling

Panorama, Cinema, Full & Regular Aspect Modes

HD EZ Fill (Cinema Zoom and HD Panorama)

5 Video Status Modes - Theater/Dynamic/ Game/Standard/TheaterPro D6500K

Color Temperature High/Low

Video Noise Reducer; Digital Noise Clear Circuitry

High Contrast Icon Based On Screen Display

Single NTSC Tuner PIP with Twin Mode, Index and Freeze

Dual 1080p Capable HDMI/HDCP Digital Inputs

Dual IEEE 1394 (i.LINK); Smart Input

RS-232 interface (FH Series only)

PC Input (15-pin D-Sub VGA/XGA)

2 HD Component Video Inputs

2 S-Video Inputs (1 Front, 3 Rear)

4 AV Inputs (1 Front, 3 Rear), RF Input

Front Firing Speakers; Center Channel Input

Advanced Hyper Surround Sound + Maxx Bass

Fixed/Variable Audio Output w/TV Speaker on/off

Interactive Plug-in Menu

XDS ID Display: XDS Auto Clock Set

World Clock; Multi-function Timer, Sleep Timer

Input Naming; Return + Front Panel Lock; V-Chip

Hyper Scan High Speed Channel Changer

Supplied EL Based (Electro Luminescence) All Button Illuminated Universal Remote Control

## TC-LX60 & TC-LX600 SERIES

### 23- 26- and 32" Widescreen 16:9 LCD HDTVs

When space is limited and flat-panel performance is a must, look no further than Panasonic's line of LCD HDTVs. Slimmer and more compact than ever, they offer exceptional craftsmanship and graceful design, as well as brilliant, high resolution picture quality and impressive stereo sound. The **TC-23LX60 (23")**, **TC-26LX60 (26")** and **TC-32LX60 (32")** feature widescreen 16:9 aspect ratio, built-in ATSC/NTSC/QAM tuners and display capability of 1080i and 720p, so high-definition content from any network may be viewed in maximum resolution — from sports to movies to nature specials and more. All feature HDMI inputs with HDAVI-Control, a single cable that carries both digital video and audio at the same time, replacing a multitude of different A/V cables.

The HDAVI Control function lets you connect and control multiple components, such as the TV, Panasonic DIGA DVD recorder and Panasonic Home Theater Receiver with a single operation.

They feature an impressive 8ms pixel response speed, helping to ensure excellent detail and smooth motion during rapid image transitions. They also feature progressive scanning, helping to create a stable, solid image, free of interlaced artifacts. In keeping with their sleek, space-efficient design, the front-firing speakers are located underneath the display, allowing for flexible installation options even in small spaces.

Otherwise identical to the 60 Series, the **TC-26LX600 (26")** and **TC-32LX600 (32")** step-up with two HDMI inputs, sub-pixel control and a Vivid mode that further improves color purity.



#### FEATURES

- ◆ With a width-to-height ratio similar to movie theater screens, these widescreen LCD TVs provide a true theater-like experience at home. View HDTV broadcasts and DVDs the way they were meant to be seen.
- ◆ HDTV broadcasts (720p or 1080i) and DVDs (480p) offer incredible detail and color, and it takes a high-resolution display to deliver all that picture information. The high pixel count of these TVs provide fine detail for outstanding HDTV reproduction. More pixels also translate into less stair-stepping artifacts; curved and diagonal edges look smooth and natural.
- ◆ Progressive scan display that shows each film frame as one solid frame, helping to create a stable, solid image free of interlaced artifacts.
- ◆ They detect movies that were converted to interlaced signals at 30 fps and use still-image processing to achieve smooth-flowing images with a level of detail that closely approaches the original film.
- ◆ Some LCD displays require viewers to sit within a very small sweet spot for good image quality. Move too far to the left or right and image quality drops off sharply. The extremely wide viewing angle of 178°, provided by the In Plane Switching (IPS) LCD panel lets viewers enjoy an extraordinary picture from the left, right, above or below. Colors are clear and vivid even when the screen is viewed from a wide angle.
- ◆ Active Light Control and Active Contrast/Gamma Control adjust backlight brightness and contrast so that each scene has fantastic contrast and detail. Flowers look vivid and natural, while landscapes are remarkably bright and true to life.
- ◆ Fast pixel response time is essential to accurate image reproduction on LCD TVs. If too long, fast motion seen during sports and action movies can cause blurring. Their fast 8ms response speed ensures excellent detail and smooth motion during high-speed scene transitions.
- ◆ HDMI input and HDAVI Control allows you to run high-quality digital video and audio to the TVs via a single thin cable.
- ◆ For added convenience they offer V-Chip program lockout. Using program ratings embedded in TV broadcasts, the V-Chip lets parents decide the programming to which their children have access. Blocked program material is accessible only by entering a 4-digit code that parents create.
- ◆ For audio each is equipped with two speakers with 20-watts per channel and surround sound mode.
- ◆ Connections include three composite video inputs, two S-Video inputs, three audio inputs (for composite/S-Video), component video input with audio input, one A/V output and headphone jack.
- ◆ Additional features include built-in closed caption (CC) decoder, sleep timer, tri-lingual on-screen menu (English, Spanish, French), video input labeling and remote control.

## COMPARISON CHART

	TC-23LX60	TC-26LX60	TC-32LX60	TC-26 / 32 LX600
B&H Number	PATC23LX60	PATC26LX60	PATC32LX600	PATC26LX600 / PATC32LX600
VIDEO				
Diagonal Screen Size	23"	26"	32"	26" / 32"
Display Capability	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
Aspect Control	Normal, Zoom, Full, and Just			
Resolution (Number of Pixels)	1,049,088 (1366 x 768) pixels			
Contrast Ratio	Up to 3000:1	Up to 3000:1	Up to 3000:1	Up to 3000:1
Brightness (Panel, cd/m <sup>2</sup> )	450	500	500	500
Horizontal Viewing Angle	178°	178°	178°	178°
Moving Picture Response Speed	9ms	8ms	8ms	8ms
Digital Comb Filter	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C
Progressive Scan	Yes	Yes	Yes	Yes
LCD Artificial Intelligence	Advanced	Advanced	Advanced	Advanced
3D Color Management	No	No	No	Yes (Vivid Mode)
Sub Pixel Control	No	No	No	Yes
AUDIO				
Speakers	2	2	2	2
Speakers - Watts Per Channel	8W (10% THD)	20W (10% THD)	20 W (10% THD)	20 W (10% THD)
Surround Sound	Yes	Yes	Yes	Yes
INPUT/OUTPUT				
HDMI-HDCP Interface	1	1	1	2
Composite Video Input Jacks	2	3	3	3
S-Video Inputs	2	2	2	2
Audio Inputs (for Composite/S-Video)	1	1	1	1
Component Video Inputs	1	1	1	1
Audio Inputs (for Component Video)	1	1	1	1
Composite Video Outputs	1	1	1	1
Audio Outputs	1	1	1	1
Headphone Jack	Yes	Yes	Yes	Yes
OTHER				
Built-In Closed Caption Decoder	Yes	Yes	Yes	Yes
Sleep Timer	Yes	Yes	Yes	Yes
Menu Language	English/Spanish/French	English/Spanish/French	English/Spanish/French	English/Spanish/French
Remote Control	Included	Included	Included	Included
V-Chip Program Lockout	Yes	Yes	Yes	Yes
Video Input Labeling	Yes	Yes	Yes	Yes
Power Supply	AC 120v, 60Hz	AC 120v, 60Hz	AC 120v, 60Hz	AC 120v, 60Hz
Power Consumption	92w	113w	126w	113w
Pedestal Stand	Included	Included	Included	Included
Swivel Angle	±20°	±20°	±20°	±20°
Dimensions (HWD)	16.2 x 22.2 x 4.7"	18.6 x 25.9 x 4.6"	22.2 x 31.1 x 4.6"	18.6x25.9x4.6" / 22.2x31.1x4.6"
Weight	24.3 lbs	36.4 lbs	43 lbs	36.4 lbs / 43 lbs

## TH-37PX60U • TH-42PX60U • TH-50PX60U • TH-58PX60U

### 37- 42- and 50" Plasma HDTVs

To realize the true HD dream, Panasonic's plasma line has been redesigned with stunning cosmetics, nearly invisible built-in speakers and a new panel, taking picture quality to a whole new level. The new plasma panels are capable of reproducing up to 3072 levels of gradation, enabling an equivalent 29 billion displayable colors. Panasonic's HD plasmas boast a maximum contrast ratio of 10,000:1, assuring the blackest blacks and whitest whites, all of which adds up to a spectacular picture with high resolution and outstanding color reproduction. Other features include sub-pixel control, which individually addresses the red, green and blue charges within one pixel, an SD memory card slot, integrated NTSC/ATSC/QAM tuners, HDMI inputs with HDAVI Control function and front A/V jacks for easy connection to camcorders. For the audio side of things, you'd never guess that these incredibly slim, elegant and gorgeous TVs include an integrated 2-speaker system with surround sound. They also include a host of conveniences like built-in closed caption (CC) decoder, video picture memory, sleep timer, V-Chip Program Lockout and video input labeling.



#### FEATURES

#### Superior Technology for a Superior Picture

- ◆ The appearance of an object, as perceived by the human eye, is influenced by the colors of the objects surrounding it. This is known as the Mach Band Effect. Panasonic plasma TVs feature an Mach Band Effect enhancer, which utilizes the principals of this theory to enhance the brightness of objects on the screen, helping improve sharpness and a vivid picture.
- ◆ Plasma displays can suffer from an artifact called "false contouring", where transitions between different shades of the same color are too sharp. These transitions appear as distinct lines between the different shades of color. Having thousands of shades of gradation minimizes the false contouring artifact so color transitions take on a smooth, natural appearance.
- ◆ Conventional plasma displays tend to illuminate blacks, which lowers the contrast. Panasonic's improved Real Black Drive System helps to enhance image clarity and realism. By reducing the pre-discharge emission when reproducing black, the new Real Black Drive System provides deep, rich blacks and a stunning contrast ratio.
- ◆ The realism of a TV's image is strongly linked to its contrast ratio, and these plasma TVs feature an incredibly high contrast ratio of up to 10,000:1. Such a wide range from black to white means great depth and dimensionality with vibrant colors—and they can also display up to unbelievable 29 billion colors for a superior picture. Deep blacks provide excellent shadow detail during dark scenes, while brilliant whites allow the plasmas to render bright scenes with vivid realism.
- ◆ Anti-Reflection screen coating helps minimize screen reflections so ambient light in the room doesn't interfere with your enjoyment of the image.

#### DMW-SDP1 HDTV Photo Player

Now you can view photos taken by a LUMIX or other SD-enabled digital camera in HD quality on a large screen TV. Simply connect the DMW-SDP1 (using supplied HD component cable) to a high-definition TV, such as a Panasonic Plasma, insert a SD memory card into the slot, and view the photos in 1080i HD quality. Playback options include three special transition effects to lend greater creativity to on-screen slideshows.

In preview mode, the DMW-SDP1 provides for rapid image search, displaying up to 25 thumbnails on an index screen or calendar time-series screen. Images taken vertically are automatically rotated. Supports motion JPEG playback, regardless of TV system. In addition to the normal VGA (640 x 480), wide aspect VGA (848 x 480) motion images, the DMW-SDP1 offers dynamic motion image playback which especially benefits viewing on wide aspect HDTVs. Simultaneously get quick printouts by connecting to a Pictbridge-corresponding printer via the included USB cable. Includes a remote control.

## TH-37PX60U • TH-42PX60U • TH-50PX60U • TH-58PX60U

- ◆ Gamma Enhancement system adds subtle nuance to dark scenes and gives images greater depth by increasing the number of gradation shades at low brightness levels. It employs non-linear signal processing to reproduce images that help accommodate the high sensitivity of the human eye. Additionally, they feature the Panasonic Plasma AI function, which analyzes scenes and automatically adjusts peak brightness according to the brightness of the images.
- ◆ View widescreen broadcasts and widescreen DVDs the way they were meant to be seen. They feature a width-to-height ratio similar to movie theater screens, providing cinema-style entertainment at home. Also enables full-screen viewing of high-definition broadcasts and DVDs in 16:9 format.
- ◆ They achieve exceptionally faithful movie reproduction through sophisticated analog-to-digital conversion. Progressive Cinema Scan circuitry converts 480i video to 480p while restoring the original frames of films for a more authentic movie reproduction.
- ◆ Even with a moderately complicated setup, you probably have a lot of tangled cables on the floor. Replace them with a single HDMI cable. HDMI is an uncompressed digital video and audio interface that supports multi-channel digital audio transmissions and component color spacing to render true HD video.

### Conveniences

- ◆ They come with a pedestal stand, providing you with a convenient way to watch images on a platform that looks just as good as the TV itself.
- ◆ With a lightweight, ultra-thin design, they are light enough to hang on a wall, allowing you to open up space in your bedroom or living room.
- ◆ They are equipped with an integrated SD Memory Card slot and Photo Viewer Technology for cable- and computer-free viewing of photo slide shows. Simply take the postage stamp-sized SD card out of your digital camera and insert into the SD slot on the TV.
- ◆ Twin HDMI inputs with proprietary HDAVI (EZ-Sync) Control Function for one-button control of multiple components including TV, DVD recorders and home theater systems. With EZ-Sync, you simply press one button and the TV turns on, the DVD player turns on, and the home theater surround sound system turns on and automatically selects the right inputs and settings to use for the DVD.

### HDTV Reception

- ◆ Built-in NTSC tuner lets you receive over-the-air analog broadcasts with an external antenna, while their ATSC tuner receives and decodes HDTV and digital broadcasts received from an off-air antenna. QAM tuner receives and decodes digital broadcast channels from cable companies.
- ◆ HDTV broadcasts offer incredible detail and color, and it takes a high-resolution display to deliver all that picture information. The high pixel count of these plasma displays provide fine detail for outstanding HDTV reproduction. More pixels also translate into less stair-stepping artifacts; curved and diagonal edges look smooth and natural.

### Inputs/Outputs

- ◆ Composite, S-Video and component video inputs with audio inputs for connection to a variety of sources including DVD players, DTV set-top boxes, and DBS (digital broadcast satellite). There is also a composite video and audio output.

## TH-42PX600U • TH-50PX600U • TH-58PX600U Step-Up Features

The 42-, 50- and 58-inch "600 Series" step-up from the "60" Series with single-tuner split-screen display, TV Guide Electronic Program Guides, PC input, and CableCARD compatibility, making access to all digital entertainment features as seamless and intuitive as possible.

- ◆ PC input terminal (Mini D-sub 15-pin) with audio input and XGA resolution display capability allows you to use these TVs for a number of applications including use as a large-screen PC monitor with ultra-high resolution. (They can accept 720p signals from a PC input.)
- ◆ They come equipped with BBE ViVA HD3D Sound for exceptional sound stage mixing and crystal-clear dialogue. They also incorporate four speakers (two bass-reflex woofers and two tweeters) plus passive radiator for 62 watts total output
- ◆ Incorporate TV Guide On-Screen Program Guide making it easy to locate desired programs
- ◆ View digital programming without a cable box. Via their CableCARD slots they can accept a small card that allows you to receive standard and high definition digital broadcasts. No bulky set-top cable box—perfect for a wall-mounted plasma TV.



## PLASMA CONCIERGE PROGRAM

### Industry-First Plasma TV Customer Support Program

When purchasing an HDTV, you want to be assured that the manufacturer will stand behind your purchase. You want to know if the manufacturer will be there to help you understand HDTV requirements, help you to properly install your plasma, get the most out of its features and, if it is ever necessary, fix a problem quickly and to their satisfaction. You want and deserve that 'peace of mind' and Panasonic delivers it...

Introducing the Panasonic Plasma Concierge program -- an expanded customer support program for current and new owners of Panasonic Plasma televisions. Recognizing that HDTV is still a new technology to many, Panasonic wants to help guide plasma owners through the details of properly enjoying HDTV service, while providing the tools needed to maximize the performance of their high definition home theater experience.

Available to current and future Panasonic Plasma television owners in the United States, the program offers a range of valuable owner privileges including:

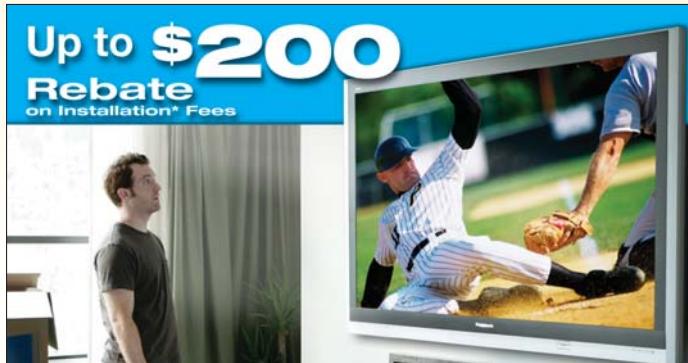
- ◆ Free live telephone access to highly trained and specialized Plasma TV consultants who are empowered to help customers resolve issues and provide expert advice on set-up, operation, troubleshooting, integration of the Plasma TV with other home entertainment components, and other support-related issues.
- ◆ Priority Service—a Panasonic representative will call you within 24 hours of notification to schedule an in-home service visit.
- ◆ Receive a Panasonic Plasma Concierge Benefits Card. This exclusive card provides customers with all the information they need to quickly get support and access their privileges, including a dedicated toll-free telephone number.
- ◆ Access to exclusive online content, personalized product information, and online chat capabilities connecting customers to Plasma experts in real time.

Get up to \$200 Rebate  
on Installation\* Fees

**Offer valid for purchase and installation:**

Select Panasonic Plasma HDTV must be purchased between 11/5/06 and 12/31/06. Delivery and installation must be completed between 11/5/06 and 1/31/07.

Eligible Models:	TH-42PX6	TH-50PX6
TH-42PD60	TH-37PX60	TH-42PX60
TH-50PX60	TH-58PX60	TH-42PX600
TH-50PX600	TH-58PX600	TH-65PX600

**Get up to \$200 Rebate on Installation\* Fees**

by mail when you purchase a select Panasonic Plasma HDTV and have it installed in your home.

\*Installation includes wall mounting or placement on a stand including freight cost. Wall mount kit not included. Picture simulated.

## COMPARISON CHART

	TH-37PX60U	TH-42PX60U	TH-50PX60U	TH-42PX600U	TH-50PX600U	TH-58PX60U	TH-58PX600U
<b>Video</b>							
Diagonal Screen Size (inches)	37	42	50	42	50	58	58
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
HDTV Compatibility	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i
Native Resolution (Number of Pixels)	1024 x 720	1024 x 768	1366 x 768	1024 x 768	1366 x 768	1366 x 768	1366 x 768
Displayable Colors	Max of 29 Billion	Max of 29 Billion	Max of 29 Billion	Max of 29 Billion			
Shades of Gradation	3,072	3,072	3,072	3,072	3,072	3,072	3,072
Pixel Pitch (H x V)	0.80 x 0.635mm	0.90 x 0.675mm	0.81 x 0.81mm	0.90 x 0.675mm	0.81 x 0.81mm	0.942 x 0.942mm	0.942 x 0.942mm
Aspect Control for TV/AV Modes	4:3, Zoom, Just, H-Fill	4:3, Zoom, Just, H-Fill	4:3, Zoom, Just, H-Fill	4:3, Zoom, Just, H-Fill (PC Mode)	4:3, Zoom, Just, H-Fill (PC Mode)	4:3, Zoom, Just, H-Fill	4:3, Zoom, Just, H-Fill (PC Mode)
Contrast Ratio	Up to 10,000:1	Up to 10,000:1	Up to 10,000:1	Up to 10,000:1	Up to 10,000:1	Up to 10,000:1	Up to 10,000:1
<b>Audio</b>							
Speakers	(2) 20W, 8 ohms, 90Hz - 17kHz 10% THD	(2) 20W, 8 ohms, 90Hz - 17kHz 10% THD	(2) 20W, 8 ohms, 90Hz - 17kHz 10% THD	(2) Woofers, 31W, 8 ohms, 55-350Hz, (2) Tweeters, 31W,	(2) Woofers, 31W, 8 ohms, 55-350Hz, (2) Tweeters, 31W,	(2) 20W, 8 ohms, 90Hz - 17kHz 10% THD	(2) Woofers, 31W, 8 ohms, 55-350Hz, (2) Tweeters, 31W,
BBE® ViVA HD3D Sound	–	–	–	Yes	Yes	–	Yes
<b>Inputs and Outputs</b>							
Tuners	NTSC, ATSC/QAM	NTSC, ATSC/QAM	NTSC, ATSC/QAM	NTSC, ATSC/QAM	NTSC, ATSC/QAM	NTSC, ATSC/QAM	NTSC, ATSC/QAM
Photo Viewer	Yes - SD Slot	Yes - SD Slot	Yes - SD Slot	Yes - SD Slot			
SD Card Slot	JPEG Photo Viewer	JPEG Photo Viewer	JPEG Photo Viewer	JPEG Photo Viewer	JPEG Photo Viewer	JPEG Photo Viewer	JPEG Photo Viewer
Cable Card Ready	–	–	–	Yes	Yes	–	Yes
HDMI-HDCP Interface	2 rear	2 rear	2 rear	2 rear	2 rear	2 rear	2 rear
Composite Video Input	3 (2 rear, 1 front)	3 (2 rear, 1 front)	3 (2 rear, 1 front)	3 (2 rear, 1 front)			
S-Video Input	3 (2 rear, 1 front)	3 (2 rear, 1 front)	3 (2 rear, 1 front)	3 (2 rear, 1 front)			
Audio Input (for Video)	3 (2 rear, 1 front)	3 (2 rear, 1 front)	3 (2 rear, 1 front)	3 (2 rear, 1 front)			
PC Input (RGB-VGA)	–	–	–	Mini D-sub 15-pin	Mini D-sub 15-pin	–	Mini D-sub 15-pin
Audio Input (for PC)	–	–	–	1 (M3 Stereo Plug)	1 (M3 Stereo Plug)	–	1 (M3 Stereo Plug)
Component Video Input	2 rear	2 rear	2 rear	2 rear	2 rear	2 rear	2 rear
Audio Input (for Component Video)	2 rear	2 rear	2 rear	2 rear	2 rear	2 rear	2 rear
Composite Video Output	1 rear	1 rear	1 rear	1 rear	1 rear	1 rear	1 rear
Audio Output	1 rear	1 rear	1 rear	1 rear	1 rear	1 rear	1 rear
<b>Convenience</b>							
TV Guide® On-Screen Program Guide	–	–	–	Yes	Yes	–	Yes
Picture-In-Picture	–	–	–	Split Screen	Split Screen	–	Split Screen
Pedestal Stand	Included	Included	Included	Included	Included	Included	Included
Dimensions (H x W x D)	35.4 x 36.1 x 3.7"	27.8 x 40.2 x 3.7"	32.2 x 47.6 x 3.7"	27.2 x 42.5 x 5.5"	31.6 x 49.9 x 5.5"	36.8 x 55.1 x 3.9"	36.2 x 57.8 x 5.7"
Weight	57.5 lbs	651 lbs	89.5 lbs	71.7 lbs	94.8 lbs.	130.1 lbs.	136.7 lbs.

**15PF5120 • 20PF5120****15- and 20" 4:3 LCD TVs**

*Ultra slim LCD televisions, the NTSC and PAL compatible 15PF5120 (HDTV-ready) and 20PF5120 not only give you great picture and sound but also modern styling and quality finish. They feature Crystal Clear III for better quality images that reveal more detail and incredible surround for superb audio. They allow you to personalize your audio and visual settings to suit your viewing preference, and easily access your favorites with the one-touch Auto Picture option on the remote. For added versatility, they feature a PC input, so they can be connected to a computer and used as a PC monitor. Finally, although their design style emphasizes a slim, compact look that saves space and fits in anywhere, they are also VESA-compliant and can easily be wall mounted.*

**FEATURES**

- ◆ 15PF5120 has a widescreen HD resolution of 1024 x 768 pixels (XGA), the 20PF5120 has an enhanced resolution of 800 x 600 pixels (SVGA). They produce brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.
- ◆ Crystal Clear III combines a whole range of enhancements to provide a better picture. They include a 2D Comb filter (separates chrominance (color) from luminance (brightness) information in the video signal to improve picture resolution and minimize distortion), Dynamic contrast, Blue stretch and Green enhancement so that you always get the most natural looking colors.
- ◆ DVI input supports HDCP copy protection allowing viewing of copy protected programs from digital set-top boxes, DVD players and HD recorders. DVI-I input can also be connected to all HDMI devices (converter cable is required). The DVI-I input also supports analog PC-VGA signals.
- ◆ With PC input you can connect your TV to a computer and use the TV as a PC monitor.
- ◆ Auto Picture button on the remote control enables one-touch selection of various pre-set optimized image settings to suit different TV program. Do refer to the DFU for the various Smart Picture modes.
- ◆ Auto Sound provides pre-defined sound settings for ultra bass, bass, treble and balance for the optimum listening experience.
- ◆ Incredible Surround dramatically magnifies the sound field to immerse you in the audio. Using state-of-the-art electronic phase shifting, Incredible Surround mixes sounds from left and right in such a way that it expands the virtual distance between the two speakers. This wider spread greatly enhances the stereo effect and creates a more natural sound dimension. Now you can experience total surround with greater depth and width of sound, without the use of additional speakers.
- ◆ Conveniences include menu control, on-screen display, Auto Volume Leveller (AWL), sleep timer, screen format adjustments (16:9 compress, 4:3 and 4:3 expand), Child Lock+Parental control, headphone out, and supplied remote control.
- ◆ The 15PF5120 (75mm x 75mm) and 20PF5120 (100mm x 100mm) are VESA-compliant, allowing easy wall mounting.
- ◆ The 15PF5120 (only) has an anti-reflection coated screen.

	<b>15PF5120</b>	<b>20PF5120</b>
Screen Size	15"	20"
Aspect Ratio	4:3	4:3
Pixel Resolution	1024 x 768p	800 x 600p
TV Scan Lines	1080i	1080i
PC Input	Yes	Yes
S-Video / A/V Inputs	1 / 1	1 / 1
Component Inputs	1	1
DVI-i Inputs	1	1
Total Audio Power	6 Watts	10 Watts
Headphone Output	Yes	Yes
Size	13.25 x 14.9 x 2.4"	17.5 x 20 x 3.14"
Weight	8.8 lbs	18.7 lbs
Included Accessories	Power cord, Quick start guide Remote control, Table top stand	Power cord, Quick start guide Remote control, Table top stand

**26PF5321D • 32PF5321D • 32PF7321D/7421D****26- and 32" Widescreen LCD HDTVs**

Experience the superior picture quality of these stylish high definition televisions. The 26PF5321 (26") and 32PF5321 (32") feature 1366 x 768 LCD WXGA display, integrated HDTV tuner, and Pixel Plus for better details, depth and clarity. They are equipped with an HDMI interface which transmits uncompressed digital audio and video signals from the source directly to the screen for a clear, unblemished picture. They feature a very fast response time, top-end audio with sound enhancement techniques, wide 176° viewing angle, high brightness and a 600:1 and 800:1 (respectively) contrast ratio.

They also feature a USB port that allows you to connect your USB device, making it easy to access your photos and music. For convenient viewing, they can be wall-mounted with VESA standard bracket. The 32PF7321D (silver) and 32PF7421D (black) step-up with a dynamic contrast enhancer that uses video processing and unique dimming backlight technology to deliver a superb 2400:1 contrast ratio.

**FEATURES**

- ◆ WXGA display with state-of-the-art LCD screen technology gives you widescreen HD resolution of 1366 x 768p pixels. They produce brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.
- ◆ They each have a built-in HDTV tuner that receives and displays terrestrial ATSC and unscrambled cable (64/256 QAM) signals.
- ◆ Pixel Plus processor increases the number of lines and the number of pixels. The result is razor sharp pictures with incredible detail and dept, every time from any source.
- ◆ Equipped with a USB connector, they accept JPEG and MP3 files from any USB memory-class storage device. Makes it easy to view and share your photos and music.
- ◆ HDMI interface for an uncompressed digital audio and video connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

- ◆ Plug & Play gives you the ability to install or add a new component and have it work without having to perform any complex installation procedure or technical analysis.

	26PF5321D	32PF5321D	32PF7321D/7421D
Screen Size	26"	32"	32"
Aspect Ratio	16:9	16:9	16:9
Pixel Resolution	1366 x 768p	1366 x 768p	1366 x 768p
TV Scan Lines	1080i	1080i	1080i
Contrast Ratio	600:1	800:1	2400:1
S-Video / A/V Inputs	2 / 3	2 / 3	2 / 3
Component Inputs	2	2	2
HDMI Inputs	Yes	Yes	Yes
Digital Audio Output	Coaxial	Coaxial	Coaxial
USB Connector	Yes	Yes	Yes
Digital Media Reader	Yes	Yes	Yes
Total Audio Power	16 Watts	30 Watts	30 Watts
Size w/ Stand	21.3 x 27.5 x 9.7"	36.4 x 21.8 x 8.7"	36.8 x 21.8 x 8.7"
Size w/o Stand	19.5 x 27.5 x 3.9"	36.4 x 20 x 4.7"	36.8 x 20.3 x 4.7"
Weight w/ Stand	28.6 lbs	41.6 lbs	42.2 lbs
Weight w/o Stand	25.5 lbs	39.2 lbs	39.8 lbs
Included Accessories	Power cord, Quick start, Remote, Table Stand	Power cord, Quick start, Remote, Table Stand	Power cord, Quick start, Remote, Table Stand

## 37PF7321D • 37PF9631D • 42PF9831D

## 37- and 42" Widescreen LCD HDTVs

The 37PF7321D is a 37" version of the 32PF7321D (32") and has the same exact feature set. The 37PF9631D (37") is only HDTV-ready (set-top box required for HD signals), but adds Picture-in-Picture, Pixel Plus 2 HD for improved details in standard TV and HDTV (6000:1 contrast ratio), 2-channel active Ambilight to enhance the viewing experience, and a S/PDIF coaxial input/output. It also offers four preset modes and includes a high quality TV stand that was designed specifically for it.

The 42" 42PF9831D (4500:1 contrast ratio) steps up with integrated HDTV and CableCARD, Ambilight Full Surround for immersive viewing experience, compact lambda/4 subwoofer technology for powerful deep bass, Pixel Plus 3 HD for the most vivid and sharp HDTV images, and Clear LCD for sharp, fast and vibrant images. Also offers a USB and 7-in-1 Memory-Card slot for instantly playing multimedia files.

## FEATURES

- ◆ Pixel Plus 2 HD offers the unique combination of ultimate sharpness, natural detail, increased depth, vivid colors and smooth and natural motion from standard TV, High-Def signals and multimedia sources. Each pixel of the incoming picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. Artifacts in compressed multimedia content are detected and reduced, ensuring that the picture is clean and razor sharp. Digital noise reduction ensures that the picture is perfectly smooth yet razor sharp.
- ◆ 2-channel active Ambilight (37PF9631D) produces ambient light to complement the colors and light intensity of the on-screen image. It adds a new dimension to the viewing experience, completely immersing you into the content you are watching. It creates ambiance, stimulates more relaxed viewing, and improves perceived picture detail, contrast and color. Ambilight automatically and independently adapts its colors according to the changing content on the screen.
- ◆ Ambilight 4-channel (42PF9831D) produces a fully surrounding glow of light that complements the colors and light intensity on all 4 sides of the image and with the unique design creates a 'floating display'. The Ambilight is cast onto a reflective area that is an integrated part of the TV's unique design and makes it independent from TV position or mounting. The surrounding glow creates ambiance, stimulates more relaxed viewing, improves perceived picture detail, contrast and color, and will completely immerse you.
- ◆ You want a deeper sound experience in music and movies. The integrated subwoofer with lambda/4 technology creates a very deep and powerful bass in a highly compact enclosure, keeping the TV slim and flat. The lambda/4 subwoofer unit utilizes resonating acoustic masses in a system of ducts to produce powerful bass with low distortion. The lambda/4 sound system, combined with high quality midrange and tweeters also gives a very spacious stereo image.



	37PF7321D	37PF9631D	42PF9831D
Screen Size	37"	37"	42"
Aspect Ratio	16:9	16:9	16:9
Pixel Resolution	1366 x 768P	1366 x 768p	1366 x 768p
TV Scan Lines	1080i	1080i	1080i
Contrast Ratio	2400:1	6000:1	4500:1
S-Video / A/V Inputs	2 / 3	2 / 3	3 / 3
Component Inputs	2	2	2
HDMI Inputs	YES	Yes	2
Digital Audio Output	Coaxial	Coaxial	Coaxial
USB Connector	Yes	Yes	2
Digital Media Reader	Yes	Yes	Yes
Total Audio Power	30 Watts	16 Watts	48 Watts
Size w/ Stand	44 x 26 x 10"	38.9 x 27.8 x 4.5"	50.4 x 36.9 x 11.4"
Size w/o Stand	44 x 24.3 x 4.1"	N/A	50.4 x 34.3 x 4.5"
Weight w/ Stand	57 lbs	24 lbs	83.8 lbs
Weight w/o Stand	52.8 lbs	N/A	N/A
Included Accessories	Power cord, Quick start guide, Remote, Stand	Remote, Stand	Power cord, Remote, Stand
	RF Cable	RF Cable	RF Cable

The 42PF9831D is only available by special order

## 42PF9631D • 50PF9631D

## 42- and 50" Plasma HDTVs

If you want superior picture quality in your home theater system then check out the 42" 42PF9631D and 50" PF9631D WXGA Plasma displays. HDTV-ready (set-top box required for HD signals), these plasma displays feature enhanced image clarity with Pixel Plus 3 HD technology, Ambilight 2, and the latest in PDP science, all in one package. They come in a sleek and minimal design that will compliment any home interior and have options that decorators will love. You can mount them for the ultimate home theater experience or use the included table top stand to keep that cozy living room feeling.



## FEATURES

- ◆ WXGA display with state-of-the-art LCD screen technology gives you widescreen HD resolution of 1366 x 768p pixels. They produce brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.
- ◆ Pixel Plus 3 HD offers a unique combination of ultimate sharpness, natural detail, vivid colors and smooth natural motion on all qualities of HD, standard TV signals and multimedia content, for high-definition displays. Each pixel of the incoming picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. Artifact in all sources from multimedia to standard TV and also in compressed HD are detected and reduced ensuring that the picture is clean and razor sharp.
- ◆ Equipped with a USB connector, they accept JPEG and MP3 files from any USB memory-class storage device. Makes it easy to view and share your photos and music.
- ◆ HDMI interface transmits uncompressed digital audio and video signals from the source to the screen. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device and is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

- ◆ They include an elegant matching table-top stand, giving you decorating and home viewing options at no additional charge.

	42PF9631D	50PF9631D
Screen Size	42"	50"
Aspect Ratio	16:9	16:9
Pixel Resolution	1024 x 768P	1366 x 768p
TV Scan Lines	1080i	1080i
Contrast Ratio	10000:1	10000:1
TV System	ATSC, NTSC	ATSC, NTSC
S-Video / A/V Inputs	3 / 3	3 / 3
Component Inputs	2	2
HDMI Inputs	2	2
Digital Audio Input	Coaxial	Coaxial
Digital Audio Output	Coaxial	Coaxial
USB Connector	Yes	Yes
Digital Media Reader	Yes	Yes
Total Audio Power	24 Watts	24 Watts
Built In Speakers	2	2
Sound System	Virtual Dolby Digital	Virtual Dolby Digital
Size with Stand	44.7 x 33.9 x 11.4"	52.3 x 38.3 x 12.6"
Size w/o Stand	44.7 x 31.4 x 4.5"	52.3 x 35.7 x 4.5"
Weight with Stand	97 lbs	125.2 lbs
Included Accessories	Table top stand, Remote Control RF Cable	Table top stand, Remote Control RF Cable

**PDP-4270HD • PDP-5070HD • PDP-6070HD****42-, 50- and 60" PureVision HD-Ready Plasma TVs**

The PDP-4270HD (42"), PDP-5070HD (50") and PDP-6070HD (60") feature a redesigned Deep Encased Cell Structure and First-Surface Pure Color Filter for improved brightness and image accuracy, enhanced contrast and color and a reduction in light reflection on the screen. They also have new and improved red and blue phosphors create brighter, purer and wider color space, improving the overall HD experience. This allows sports fans, gamers and movie buffs to experience the best of what HDTV programming has to offer. In addition to their outstanding picture quality, they offer a host of features that make viewing fun and exciting. These include dual NTSC and ATSC tuner with CableCARD interface, dual HDMI inputs, split-screen/picture-in-picture display modes, V-Chip parental control, and a convenient way to view digital photos via USB connection.

**FEATURES****Panel Technology**

- ◆ Everybody wants you to see ALL the details in a movie, even in the darkest scenes. So, Pioneer inserted a Crystal Emissive Layer between the plasma glass and the individual light cells. This is a big advance in plasma technology, allowing each cell to be charged and discharged three times faster than before, for greater light emission. So, blacks are blacker, yet the lighter areas on the screen still maintain their true brightness values and don't turn muddy or gray.
- ◆ To reproduce the most brilliant lifelike colors, Pioneer's First Surface Pure Color Filter is bonded directly to the plasma glass instead of adding an additional layer of glass. With fewer layers of glass, there is less refraction of light to distort the images, as well as enhanced contrast and color.
- ◆ Redesigned Deep Encased Cell Structure resulting in improved brightness, image accuracy and panel efficiency.
- ◆ New and Improved red and blue Phosphors create a brighter, purer and wider color space, improving the overall HD experience.
- ◆ New Dielectric Layer for improved light management and efficiency of panel.
- ◆ Wide 160° viewing (horizontal and vertical) with no color shift or picture distortion.

**Video Processing Technology**

- ◆ Pure Drive II Signal Processing (full time 10-bit digital video processing) delivers a low noise, high contrast, natural colored image.
- ◆ Advanced Continuous Emission IV detects the type of content shown on the screen and dynamically adjusts the grayscale to create optimum viewing qualities creating great detail within black areas.
- ◆ The PDP-6070HD (only) has a DRE (Dynamic Range Expansion) detail setting to further reduce video noise and improve accurate reproduction of fast moving images on screen.
- ◆ Advanced Pure Cinema with 3:3 pull down allows film-based material on DVD or even regular TV to match the smooth and natural reproduction seen in a movie theater.
- ◆ Adjustable color temperature (high, mid and low). The PDP-6070HD adds advanced manual adjustability of RGB High and Low.
- ◆ 4 settings of Digital Noise Reduction (off/high/mid/low).
- ◆ 4 settings of MPEG Noise Reduction (off/high/mid/low).
- ◆ Digital CTI (Color Transient Improver) as well as Natural Resize, Natural Enhancer and Digital Chroma Decoder.

**Advanced Connectivity**

- ◆ They are comprised of the ultra-slim panel itself and an integrated media receiver. The media receiver offers full connectivity to your audio/video source components and computer, and provides some important convenience features as well.
- ◆ The media receiver is equipped with dual NTSC (standard TV) tuners and one ATSC (high-definition TV) tuner, for receiving over-the-air broadcasts. (Why two NTSC tuners? So you can watch two standard-TV programs at once, using Picture in Picture.)
- ◆ Two iLink IEEE1394 input for easy connection to digital camcorders and digital VCRs.
- ◆ In addition to a full set of A/V and computer inputs (D-sub for PC) and outputs, the media receiver includes two HDMI (High Definition Multimedia Interface) terminals. These enable direct digital input of video and audio signals using just one HDMI cable, for example from your DVD player or cable box. HDMI provides a straight path and the signal remains in a pure, digital state. The result: completely "lossless" transmission that delivers exceptional image and sound quality compared to conventional connection types.

## PDP-4270HD • PDP-5070HD • PDP-6070HD

### Audio

- ◆ For those who want impressive sound but like to keep things simple, they include two speakers that attach to the panel (they can be detached as well). To give you another sound option, a subwoofer output is provided for adding a sub.
- ◆ 13-watt stereo amplifier with separate bass and treble controls
- ◆ SRS TruSurround features three surround modes to deliver true-to-life reproduction of sound. Derives natural 3D sound from any two-speaker system — such as this one.

### Conveniences

- ◆ Cable TV subscribers can utilize a CableCARD to receive NTSC and ATSC broadcasts instead of using a traditional cable set-top box – just insert the CableCARD from your cable company into the slot provided on the media receiver.
- ◆ The media receiver also provides the TV Guide On Screen Interactive Program Guide, to help you find your favorite shows. It even lets you program what you want to watch for the coming eight days — a really handy feature that's included at no cost to you.
- ◆ Multi-Screen makes full use of the large screen to display images in 50/50 split screen or P-in-P.
- ◆ A slimmer bezel allows the excellent picture quality to really stand out while the frame fades into the background.
- ◆ They include a table-top stand and full function preset an learning remote.
- ◆ 5-setting A/V Selection Memory (Standard / Dynamic / Movie / Game / User).
- ◆ V-Chip Parental Control.
- ◆ 5-position aspect ratio control (Wide/Zoom /Cinema /Full /4:3)— "Dot by Dot" for PC.

### Optional Accessories

**PWM-1011** (PIPWM1011):  
Slim Wall Bracket ..... **199.95**

**PWM-503** (PIPWM503):  
Angle Wall Bracket ..... **449.95**

**PDWB-5003**: Wall Bracket. Holds the TV approximately 1 1/8" from the wall ..... **CALL**

	PDP-4270HD	PDP-5070HD	PDP-6070HD
Screen Size	42"	50"	60"
Aspect Ratio	16:9	16:9	16:9
Pixel Resolution	1365 x 768	1365 x 768	1365 x 768
TV Scan Lines	1080p	1080p	1080p
Tuner System	NTSC/ATSC/QAM	NTSC/ATSC/QAM	NTSC/ATSC/QAM
ACE IV	Yes	Yes	Yes
Advanced Pure Cinema with 3:3 Pull Down	Yes	Yes	Yes
Color Temp Adjust	3 Settings	3 Settings	3 Settings
Digital Noise Reduction	4 Settings	4 Settings	4 Settings
MPEG Noise Reduction	4 Settings	4 Settings	4 Settings
Digital CTI	Yes	Yes	Yes
Natural Resize	Yes	Yes	Yes
Natural Enhancer	Yes	Yes	Yes
Digital Chroma Decoder	(10-bit)	(10-bit)	(10-bit)
Viewing Angle	160°	160°	160°
RF Inputs	2	2	2
PC Input	Yes	Yes	Yes
S-Video / Video Inputs	2 / 4	2 / 4	2 / 4
Component Inputs	3	3	3
HDMI Inputs	2	2	2
Analog Audio Inputs	3	3	3
Digital Audio Inputs	—	—	—
Digital Audio Outputs	Optical	Optical	Optical
USB 2.0 Connector	Yes	Yes	Yes
Home Gallery	Yes		Yes
Total Audio Power	26 Watts	26 Watts	26 Watts
Surround System	SRS/FOCUS/TruBass	SRS/FOCUS/TruBass	SRS/FOCUS/TruBass
Speakers	Yes	Yes	No
RS-232	Yes	Yes	Yes
G-Link	Yes	Yes	Yes
A/V Selection Memory	5 Options	5 Options	6 Options
V-Chip	Yes	Yes	Yes
Size	40 15/16" x 26 3/4" x 4 1/2"	48 3/16" x 30 1/8" x 4 1/2"	57 1/8" x 38 3/32" x 4 1/4"
Weight	63.9 lbs	75.1 lbs	112.4 lbs
Included Accessories	Table Top Stand Speakers Remote Control	Table Top Stand Speakers Remote Control	Table Top Stand Speakers Remote Control

**DLP TV****Widescreen 720p HDTV with DLP Technology**

Featuring a compact lightweight "floating screen" design, Samsung's HL-S4266W (42"), HL-S4666W (46"), HS-S5086W (50"), HL-S5086W (50"), HL-S5686W (56") and HL-S6186W (61") widescreen DLP TVs fit where others won't to deliver an astounding HDTV experience. Samsung, the recognized leader in DLP technology, created the breakthrough Cinema Smooth light engine that produces razor-sharp pictures in 720p. The natural, vivid colors of these TVs is achieved through Samsung's advanced Brilliant Color technology with a faster color wheel. A contrast ratio of up to 2500:1 captures blacker blacks and crisper whites and images. And the ultra-fast DLP chip results in the fastest video performance of any HDTV. Best yet, Samsung's superior technology ensures no image burn-in for a reliable, long-lasting picture.

Each TV features an integrated HDTV tuner, that with the addition of a suitable UHF/VHF antenna deliver the world of free off-air DTV and HDTV local broadcast channels.

**FEATURES**

- ◆ They employ a Texas Instruments DLP chip made of millions of microscopic mirrors. The DLP chip is faster than any HDTV technology, with the mirrors capable of switching on & off at 15,000 or more times a second to deliver a razor-sharp picture for fast moving images. Combined with the Cinema Smooth light engine, the result is a crisp, bright picture with deep, rich colors that's closer to film.
- ◆ Samsung's Cinema Smooth light engine brings together the right optics, electronic circuitry and replaceable light source to create a brilliant picture that's more lifelike and much closer to film. Now in its fifth generation, Cinema Smooth light engine delivers crisp, 720p High Definition resolution with high contrast and brightness, defined edges and sharp detail.
- ◆ Samsung's Cinema Smooth 720p light engine is the culmination of years of industry leading research and development. It releases the maximum power of the new generation of DMD microdisplays for the most film-like picture. It creates an image with no visible pixel structure and accurate shading and better low-light detail.
- ◆ Samsung's 2.2" color wheel spins at 14,400 rpm for smooth fast-motion video, and has five color segments for more accurate colors. Comprised of the 3 primary colors, Red, Green and Blue plus Cyan and Yellow. It achieves film-like transitions and eliminates the pixel breakup found in slower color wheel designs and slower-switching LCD microdisplays. The Cinema Smooth light engine uses a whisper quiet air bearing design.
- ◆ HDMI (High-Definition Multimedia Interface) transmits pure digital audio and video signals and simplifies connections by reducing cable connections to one cable and plug.
- ◆ Samsung's exclusive DNLe (Digital Natural Image Engine) makes the sharpest and clearest images possible, regardless of the profile of input signals. Five image processors and a six-times density enhancer ensure the best picture from any source. Now in its fourth generation, DNLe guarantees the truest colors and highest contrast, while virtually eliminating digital artifacts.
- ◆ Samsung's Cinema Mode lets you see colors the way the director intended, by matching them more closely to production standards. This creates more accurate colors and natural skin tones when viewing Hollywood movies on your TV—the perfect setting when enjoying movies with the lights off.
- ◆ Cinema Smooth Film Mode (3:2 Pull Down) senses motion found in unconverted 480i DVD video based on 24 fps film productions. Especially important when converting to a progressive video image, the result is an elimination of visible motion artifacts (by-passed on 480P, 720P and 1080i inputs).

**DLP Technology:** The secret to these engineering marvels is a single, postage stamp-sized Digital Micro-Mirror Device (DMD) that generates high definition video images which are combined with Samsung's Cinema Smooth light engine and advanced light processing optics to deliver stunning picture quality that is clear, bright and with outstanding contrast. And unlike other display technologies, the DLP panel isn't susceptible to heat, humidity, vibration, and aging. DLP projection systems enable you to see the creator's original vision at full impact again and again, no matter how many times a video or graphic has been projected.



**High Performance**

- ◆ Equipped with a USB connector, they accept JPEG and MP3 files from any USB memory-class storage device. Makes it easy to view and share your photos and music.
- ◆ Game Mode enhances dark areas, sharpens the picture, speeds up the image processing response and enhances the sounds of your games. Picture and sound quality optimized for the special needs of gaming systems at the touch of a button.
- ◆ You can get the pink tones, the green of the grass and the blue of the sky just the way you like, without affecting the other colors on the screen. The three primary colors can be adjusted to perfectly fit your taste. Self expression meets display perfection.
- ◆ Connect your DVD and DTV sources with two smart component video (Y/Pb/Pr) inputs that accept 480p/720p/1080i signals. All video signals are converted to a 16x9 (1280 x 720) resolution) progressive display.
- ◆ They can also function as a high-quality XGA PC monitor.
- ◆ SRS TruSurround XT plays 5.1 multichannel content over two speakers to offer a compelling, virtual surround sound experience.
- ◆ Auto Volume Leveler keeps audio volume consistent during channel changing to minimize static sound bursts.
- ◆ 3D Comb Filter dramatically reduces edge image artifacts while improving transition detail.
- ◆ Enjoy all your 4:3 aspect-ratio programming in smooth, wide-screen without black bars. Four pre-set aspect ratio modes—Normal, Wide, Zoom 1 and Zoom 2—stretch your image to fill the screen naturally.
- ◆ Previous Channel returns to the previously viewed channel at the push of a button.
- ◆ Color temperature adjustments (Cool1/2, Normal, Warm1/2) selectable via on-screen display.
- ◆ V-Chip enables parental control for channel and program blocking of TV programs that incorporate the rating code signal.
- ◆ Closed Caption displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.
- ◆ Supplied Universal Remote Control permits control of the TV, DVD, and a tuner/receiver.

**Optional DLP TV Stands**

Samsung's slim and lightweight DLP TVs "Fit where others won't." Now Samsung offers a line-up of DLP TV stands that combine functionality with an integrated matching design. Custom designed to provide the perfect match to your DLP TV, stand and television together give the appearance of one high quality, functional and smart-looking unit. Samsung's "floating screen design" DLP TVs, make it appear that the TV screen floats above the stand.

Samsung thought through the whole process when designing these functional stands including a wire management system that secures cables and reduces unsightly wires. The glass shelves can hold two components side-by-side and can also accommodate deeper components. A glide feature makes the stand easy to move. The leg height is even adjustable for accommodating uneven floors, carpeting and area rugs.

- ◆ Telescopic design for use with multiple TV sizes
- ◆ Stands are powder-coated MDF (medium density fiberboard) with sturdy metal frame construction and clear (TR4246S) or tinted (TR50X3B) fixed glass shelves
- ◆ Wire management system
- ◆ Fit two components side-by-side (deeper design)
- ◆ Easy movement glides (adjustable height)
- ◆ Safety features include rounded corners on tempered glass
- ◆ Easy to assemble with household tools

**TR4246S**

Designed to fit the  
HL-S4266W (42")  
and  
HL-S4666W (46")  
DLP TVs



TR4246S

**TR50X3B**

Designed to fit the  
HL-S5086W (50"),  
HL-S5087W (50"),  
HS-5686W (56"),  
HL-S5687W (61"),  
HL-S6186W (61"),  
and HL-S6187W (61")



TR50X3B

**TR71B**

Designed to  
fit the  
HL-S7187W (71")



TR71B

## DLP TV

	HL-S4266W	HL-SS4666W	HL-S5086W	HL-S5686W	HL-S6186W
B&H Number	SAHLS4266W	SAHLS4666W	SAHLS5086W	SAHLRS5686W	SAHSR6186W
<b>DISPLAY</b>					
Diagonal Screen Size	42"	46"	50"	56"	61"
Design	Floating Screen	Floating Screen	Thin Bezel	Thin Bezel	Thin Bezel
Aspect Ratio	16:9 (Widescreen)				
HDTV Tuner/Decoder	Built-in	Built-in	Built-in	Built-in	Built-in
Pixel Resolution (V/H)	1280 x 720				
Display Format	720p	720p	720p	720p	720p
Brightness (cd/m <sup>2</sup> )	1,000	1,000	900	700	600
Contrast	2500:1	2500:1	2500:1	2500:1	2500:1
Digital Cable Ready (DCR)	--	--	--	--	--
3D y/C Digital Comb Filter	3 Line	3D Y/C	3D Y/C	3D Y/C	3D Y/C
3:2 Pull Down	Yes	Yes	Yes	Yes	Yes
DNIe	Yes	Yes	Yes	Yes	Yes
Color Wheel	5 Segments/14,400 rpm				
<b>AUDIO</b>					
Sound Output (RMS)	10w x2				
SRS TruSurroundXT (Optical)	Yes	Yes	Yes	Yes	Yes
<b>CONNECTIONS</b>					
RF (Air/Cable)	2 rear				
PC RGB Input (D-sub 15-pin)	1 rear				
PC Audio In	1 rear				
A/V In (RCA)	1 Side/2 Rear				
S-Video In	2 Rear				
Monitor and Sound Out	1 rear				
Component (480i/480p/720p/1080i)	2 Rear				
HDMI	2 Rear				
USB 1.1	Yes	Yes	Yes	Yes	Yes
<b>DIMENSIONS &amp; WEIGHT</b>					
TV (WxDxH)	39.3 x 13 x 29.7"	46.8 x 13.4 x 32"	45.4 x 15.6 x 32.3"	50.9 x 16.3 x 35.7"	55.3 x 17.6 x 38.6"
TV Weight	61.7 lbs	66.8 lbs	62.8 lbs	69.4 lbs	77.2 lbs
Optional Stand	TR4246S	TR4246S	TR50X3B	TR50X3B	TR50X3B

**HL-S5679W** 1080p DLP HDTV

World's first LED light source DLP rear projection HDTV — the HL-S5679W offers a host of benefits, including significantly improved longevity, increased color gamut reproduction, quicker turn-on time and greater environmental friendliness. The HL-S5679W operates longer and quieter than previously designed light engine based rear projection TV sets. It also replaces the current UHP bulb with a high-powered LED light source, called PhlatLight that has a single chip DLP light engine, which doesn't require a color wheel and provides improved longevity. Red, green and blue high-powered LEDs sequentially fire to produce smooth, stable color. The LED light engine also ensures a longer lamp life (20,000 hours without brightness degradation) and a shorter turn-on time (seven seconds). The LED light source DLP RPTV provides natural color, with an improved color gamut versus traditional CRT televisions.



[www.bhphotovideo.com](http://www.bhphotovideo.com)

## DLP TV

## Widescreen 1080p HDTVs with DLP Technology

Combining Samsung's CinemaSmooth optical engine with a 1920 x 1080 pixel progressive display, the 1080p series deliver perfectly smooth, cinema film quality HD video and unprecedented image clarity. They feature "Hidden" bottom speakers with "D.A.S.C" (Dual Acoustic Chamber System) simulating dual separate chambers for each speaker to maximize low-range sound performance and enhance sound clarity. The HL-S5697W and HL-S7187W are Digital Cable Ready (DCR) with built-in CableCARD and feature TV Guide On screen (Gemstar EPG) as well as IEEE1394 DV input and RS-232 interface.

	HL-S5087W	HL-SS5687W	HL-S6187W	HL-S5679W	HL-S7178W
B&H Number	SAHLS5087W	SAHLS5687W	SAHLS6187W	SAHLRS5679W	SAHSR7178W
<b>DISPLAY</b>					
Diagonal Screen Size	50"	56"	61"	56"	71"
Design	Hidden Speaker	Hidden Speaker	Hidden Speaker	LED	Picture Frame
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
HDTV Tuner/Decoder	Built-in	Built-in	Built-in	Built-in	Built-in
Pixel Resolution (V/H)	1920 x 1080	1920 x 1080	11920 x 1080	1920 x 1080	1920 x 1080
Display Format	1080p	1080p	1080p	1080p	1080p
Contrast	10,000:1	10,000:1	10,000:1	4,000:1	2500:1
Digital Cable Ready (DCR)	--	--	--	Yes	Yes
3D y/C Digital Comb Filter	3 Line	3D Y/C	3D Y/C	3D Y/C	3D Y/C
3:2 Pull Down	Yes	Yes	Yes	Yes	Yes
DNle	Yes	Yes	Yes	Yes	Yes
Color Wheel	5 Segments/14,400 rpm	5 Segments/14,400 rpm	5 Segments/14,400 rpm	--	5 Segments/14,400 rpm
TV Guide On Screen (Gemstar EPG)	--	--	--	Yes	Yes
<b>AUDIO</b>					
Sound Output (RMS)	10w x2	10w x2	10w x2	10w x2	10w x2
SRS TruSurroundXT (Optical)	Yes	Yes	Yes	Yes	Yes
<b>CONNECTIONS</b>					
RF (Air/Cable)	2 rear	2 rear	2 rear	2 rear	2 rear
PC RGB Input (D-sub 15-pin)	1 rear	1 rear	1 rear	1 rear	1 rear
PC Audio In	1 rear	1 rear	1 rear	1 rear	1 rear
A/V In (RCA)	1 Side/2 Rear	1 Side/2 Rear	1 Side/2 Rear	1 Side/2 Rear	1 Side/2 Rear
S-Video In	2 Rear	2 Rear	2 Rear	2 Rear	2 Rear
Monitor and Sound Out	1 rear	1 rear	1 rear	1 rear	1 rear
Component (480i/480p/720p/1080i)	2 Rear	2 Rear	2 Rear	2 Rear	2 Rear
HDMI	2 Rear	2 Rear	2 Rear	2 Rear	2 Rear
USB 1.1	Yes	Yes	Yes	Yes	Yes
POD Slot (Cable Card) / IEEE 1394	-- / --	-- / --	-- / Yes	Yes / Yes	Yes / Yes
<b>DIMENSIONS &amp; WEIGHT</b>					
TV (WxDxH)	45.4 x 15.6 x 32.3"	50.9 x 16.3 x 35.7"	55.3 x 17.6 x 38.6"	52.4 x 15.6 x 37.9"	65.8 x 20.4 x 48.6"
TV Weight	66.8 lbs	73.4 lbs	79.6 lbs	90.6 lbs	129.9 lbs
Optional Stand	TR50X3B	TR50X3B	TR50X3B		TR71B

**LN-R1550 • LN-R2050****15-, and 20" LCD 4:3 Flat Panel TVs**

The LN-R1550 (15") and LN-R2050 (20") are beautiful, sleek 4:3 TVs that will match your living room decor while fulfilling your desire for high-quality video and audio. A premium LCD panel delivers bright and high-contrast images, while the picture-enhancing digital comb filter makes sure you get the best details in picture quality. They are equipped with composite video, S-Video and component video inputs. For added versatility, you can connect your PC to these TV through their RGB (15-pin D-sub) and PC audio input. You can use the Vesa compatible dual-purpose stand/wall mount to fix and secure them directly on the wall. Built-in power adapter takes up less space by eliminating the need for an external power "brick".

**FEATURES****Video**

- ◆ High resolution 1024 x 768 (LN-R1550) and 800 x 600 (LN-R2050) pixel density with built-in image scaler to handle inputs from a variety of digital and analog audio/ video sources.
- ◆ With a 400:1 (LN-R1550) or 500:1 (LN-R2050) contrast ratio and 450 cd/m<sup>2</sup> (LN-R1550) or 500 cd/m<sup>2</sup> (LN-R2050) or brightness, these LCD TV's give the most stunning realistic picture quality ever from a flat panel set.
- ◆ Digital comb filter minimizes edge image artifacts while improving transition detail.
- ◆ Fast 25 ms response time minimizes blurring of moving video.
- ◆ 4 video presets optimize the picture for the type of program being watched. Presets include Standard, Dynamic, Movie and Custom with user adjustable brightness, contrast, sharpness, color, and tint.
- Standard: for the standard factory settings.
- Dynamic: to increase the clarity and sharpness of the picture.
- Movie: when viewing a movie.
- Custom: if you want to adjust the settings according to personal preference
- ◆ CaptionVision (CC) displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.
- ◆ Trilingual on-screen display (English, Spanish, Portuguese or French)

**Audio**

- ◆ Built-in 3-watt side speakers (x2)
- ◆ MTS & SAP stereo broadcast reception with 181-channel capacity.
- ◆ Preset sound modes include Standard, Movie, Music, Speech (focuses on dialog and reduces background), and Custom (5 band graphic equalizer allows detailed sound adjustments).
- ◆ Auto Volume Leveler keeps audio volume consistent during channel changing.

**Conveniences**

- ◆ Variable sleep timer turns the TV off in varying time intervals
- ◆ V-chip system allows parental blocking of rated TV and movie programs.
- ◆ Built-in power adapter eliminates need for the external power "brick".
- ◆ They include a dual purpose stand/wall mount (the pedestal stand can be used as a wall mount when it's folded back).

	<b>LN-R1550</b>	<b>LN-R2050</b>
Screen Size	15"	20"
Aspect Ratio	4:3	4:3
Pixel Resolution	1024 x 468	800 x 600
Contrast Ratio	400:1	400:1
NTSC Tuner	181	181
Total Audio Outputs	5 Watts	6 Watts
TV and PC Monitor	Yes	Yes
Component Input	Yes	Yes
Composite Video	Yes	Yes
PC (RGB) Input	15-pin D-Sub	15-pin D-Sub
Size with Stand	19.5 x 14.1 x 6.7"	23.9 x 17.2 x 3.7"
Size w/o Stand	19.5 x 13.1 x 3.2"	23.9 x 18.3 x 8.5"
Weight with Stand	8.8 lbs	17.2 lbs

## LN-S 41 SERIES

## 23-, 26-, 32- and 40" LCD Flat Panel TVs with PC Input

Samsung's LN-S 41 Series is designed for the consumer who demands the highest quality – and value – in a wide screen HDTV LCD. Available in 23" (LN-S2341W), 26" (LN-S2641D), 32" (LN-S3241D) and 40" (LN-S4041D), they feature 3000:1 dynamic contrast ratio, HD-grade resolution, and advanced technology to deliver a remarkably crisp picture in vivid color. Their slim, black frames incorporate side speakers that deliver SRS TruSurround XT sound (except the LN-S2341W); two HDMI inputs allow connectivity to a wide range of digital devices, digital satellite/cable boxes, camcorders, HD DVD upconverters and more. All except the LN-S2341W (HDTV-ready and has an analog NTSC tuner) feature Samsung's DNle (Digital Natural Image Engine) technology and built-in ATSC digital tuner.



## FEATURES

## Advanced Picture Quality

- ◆ HD-grade 1366(H) x 768(V) pixel resolution with built-in image scaler to handle inputs from a variety of digital and analog audio/video sources.
- ◆ 500 cd/m<sup>2</sup> brightness for brighter whites, deeper blacks and every shade in between. Dynamic 3000:1 contrast ratio provides an abundant palette of perfect colors.
- ◆ Picture-in-picture (PIP) enables convenient simultaneous viewing of TV programs and video or PC sources.
- ◆ 8 ms response time minimizes blurring of moving video.
- ◆ To the left, to the right, even upside-down, 170° vertical and horizontal viewing angle improves contrast, and brightness to provide an even better picture.
- ◆ 3D Y/C digital comb filter constantly analyzes the three dimensions of picture height, picture width, and picture changes over-time, to dramatically reduce edge image artifacts while improving transition detail.
- ◆ Progressive scan virtually eliminates the flicker, allowing you to watch progressive scan signals with ease from DVD players and HDTV decoders.

## DNle — Digital Natural Image Engine

Samsung's revolutionary DNle technology offers digital perfection in naturally presented, crystal-clear images that uncover even the most minute detail.

- Motion Optimizer — Fast-moving images are optimized to produce more natural-looking motion, thus reducing video noise or blurring.
- Contrast Enhancer — Brightness and contrast levels are enhanced for deeper, richer blacks with greater detail and more natural whites.
- Color Optimizer — Colors are reproduced with a more lifelike realism, whites are more accurate, and skin tones are given a more natural hue.
- Detail Enhancer — DNle analyzes video signal elements to produce sharper detail, clearer image separation, and more natural edge transition.
- My Color Control — Patented "My Color Control" technology allows you to control specific colors without affecting the whole screen. Now, Samsung provides six-color control selections: white, red, pink, yellow, green and blue. It's your picture - you decide.

## Surround Sound

- ◆ SRS TruSurround XT plays 5.1 multichannel content over two speakers to offer a compelling, virtual surround sound experience. (Not available on the LN-S2341W)

## Advanced Connections

- ◆ Two HDMI connections (one on the LN-2341W) allows for the transmission of both video and audio digital signals via a single cable for higher quality and fewer wires.
- ◆ Component video inputs accept 480p, 720p and 1080i signals. They can also function as PC monitors via their PC (RGB) input.
- ◆ The LN-S3241D and LN-S4041D have side A/V ports allowing easy connection to camcorder or digital camera with no hassles.

## Conveniences

- ◆ Clock on/off timer, Auto channel search
- ◆ V-Chip system allows blocking of rated TV and movie programs.
- ◆ Removable stand allows them to be wall-mounted (VESA-compliant).
- ◆ Freeze picture frame
- ◆ Auto power off and variable sleep timer to turn the TV off in varying time intervals.
- ◆ Auto volume leveler keeps audio volume consistent during channel changing.

**LN-S 41 SERIES**

	LN-S2341D	LN-S2641D	LN-S3241D	LN-S4041D
B&H Number	SALNS2341D	SALNS2641D	SALNS3241D	SALNS4041D
DISPLAY				
Diagonal Screen Size	23"	26"	32"	40"
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
TV and PC Monitor Capable	Yes	Yes	Yes	Yes
Pixel Resolution (V/H)	1366 x 768	1366 x 768	1366 x 768	1366 x 768
Built-in Tuner	NTSC	ATSC	ATSC	ATSC
Brightness (cd/m <sup>2</sup> )	500	500	500	500
Contrast	3,000:1	3,000:1	3,000:1	3,000:1
DNIe	--	Yes	Yes	Yes
AUDIO				
Total Audio Outputs	6 Watts	10 Watts	20 Watts	20 Watts
SRS TruSurroundXT (Optical)	--	Yes	Yes	Yes
CONNECTIONS				
RF (Air/Cable)	1	2	2	2
PC RGB Input (D-sub 15-pin)	1	1	1	1
S-Video In	1	1	1 Rear, 1 Rear	1 Rear, 1 Rear
Monitor and Sound Out	1 rear	1 rear	1 rear	1 rear 1 rear
Component (480i/480p/720p/1080i)	2	1	1	1
HDMI	1	2	2	2
DIMENSIONS & WEIGHT				
Monitor with Stand (WxDxH)	26.5 x 8.9 x 18.3"	29.7 x 8.9 x 20.4"	35.1 x 9.8 x 24.2"	43.3 x 13.0 x 28.8"
Monitor with Stand Weight	17.6 lbs	22.0 lbs	30.0 lbs	45.6 lbs

**DTB-H260F** High-Definition Terrestrial Tuner (Set-Top Box)

Samsung's STB-H260F tuner delivers *FREE* over-the-air digital television signals to a DTV-ready television or DTV-capable computer monitor. Award-winning technology easily tunes and decodes all 18 ATSC Table 3 broadcast formats. With the DTB-H260F, you can view HDTV, SDTV, and listen to Dolby Digital 2.0 stereo or Dolby Digital 5.1 surround audio through your audio system. Samsung solves output worries with a wide selection of output options including 1080i, 720p or 480p/i DTV formats, and connection options including HDMI, component, composite, Audio R/L and Dolby Digital optical (S/PDIF). Attractive styling and affordable price make it the perfect solution.



- ◆ On-screen signal strength indicator lets you see whether or not you are receiving a strong signal which may be affecting the quality of your on-screen imagery.
- ◆ Intuitive and iconic Menu to get the optimal picture.

- ◆ To find your favorite programs or to see what is currently on and/or available, you will have access to a full guide
- ◆ For a short list and not to interfere with current viewing you can utilize the mini guide to check concurrent programming.

- ◆ Plug & play for easy setting
- ◆ High gloss, stylish design
- ◆ Remote control, parental control, time zone setting, channel info management

## LN-S 51/52 SERIES

## 23-, 26-, 32- and 40" LCD Flat Panel TVs

Available in 23-, 26-, 32- and 40" (diagonal) sizes, the 51 series (black) and the 52 series (white) step-up from the 41 series with an optimized game mode and "Hidden" bottom speakers with "D.A.S.C" (Dual Acoustic Chamber System). Game Mode enhances dark areas, sharpens the picture, speeds up the image processing response and enhances the sounds of your games. The interior hidden speaker system with DACS (Dual Acoustic Chamber System) simulates dual separate chambers for each speaker to maximize low-range sound performance and enhance sound clarity.

All except the LN-S2351W/2352D feature built-in ATSC digital tuner, DNLe (Digital Natural Image Engine) technology, 4000:1 contrast ratio, and MP3 input allowing you to easily connect and control your digital audio player. The LN-S3251D/LN-S3252D and LN-S4051D/LN-S4052D have side A/V ports allowing easy connection to camcorder, digital camera or other digital device with no hassles, and a swivel stand that provides  $\pm 15^\circ$  of control, allowing everyone in the room to watch without moving them.



	LN-S2351W LN-S2352D	LN-S2651W LN-S2652D	LN-S3251W LN-S3252D	LN-S4051W LN-S4052D
DISPLAY				
Diagonal Screen Size	23"	26"	32"	40"
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
TV and PC Monitor Capable	Yes	Yes	Yes	Yes
Pixel Resolution (V/H)	1366 x 768	1366 x 768	1366 x 768	1366 x 768
Built-in Tuner	NTSC	ATSC	ATSC	ATSC
Brightness (cd/m <sup>2</sup> )	500	500	500	500
Contrast	3,000:1	4,000:1	4,000:1	4,000:1
DNle	--	Yes	Yes	Yes
AUDIO				
Total Audio Outputs	6 Watts	10 Watts	20 Watts	20 Watts
SRS TruSurroundXT (Optical)	--	Yes	Yes	Yes
CONNECTIONS				
RF (Air/Cable)	1	2	2	2
PC RGB Input (D-sub 15-pin)	1	1	1	1
S-Video In	1	1	1 Rear, 1 Rear	1 Rear, 1 Rear
Monitor and Sound Out	1 rear	1 rear	1 rear	1 rear 1 rear
Component (480i/480p/720p/1080i)	2	1	1	1
HDMI	1	2	2	2
DIMENSIONS & WEIGHT				
Monitor with Stand (WxDxH)	26.5 x 8.9 x 18.3"	26.6 x 8.5 x 20.9"	31.5 x 9.9 x 23.7"	39.0 x 12.8 x 28.1"
Monitor with Stand Weight	17.6 lbs	22.3 lbs	32.6 lbs	50.3 lbs

**LN-S 92 SERIES****32-, 40- and 46" LCD Flat Panel TVs**

Available in 32-, 40- and 46" screen sizes, all with the same luxurious styling, the 92 series steps up with a 10-bit processor to offer an amazing 12.8 billion colors. They offer 1366 x 768 progressive resolution and

**CCFL-Cold Cathode Fluorescent Lamp (92% NTSC color gamut).**

With a dynamic contrast ratio of 5000:1, the 92 series LCDs display video in rich, vibrant color for a picture that is more realistic and inspiring than ever. A wide 178° H/V viewing angle allows viewers to enjoy the screen with perfect clarity from almost any vantage point.



	<b>LN-S3292D</b>	<b>LN-S4092D</b>	<b>LN-S4692D</b>
B&H Number	SALNS3292D	SALNS4092D	SALNS4692D
DISPLAY			
Diagonal Screen Size	32"	40"	46"
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
TV and PC Monitor Capable	Yes	Yes	Yes
Pixel Resolution (V/H)	1366 x 768	1366 x 768	1366 x 768
Built-in Tuner	ATSC	ATSC	ATSC
Brightness (cd/m <sup>2</sup> )	500	500	500
Contrast	5,000:1	5,000:1	5,000:1
DNle	--	Yes	Yes
AUDIO			
Total Audio Outputs	20 Watts	20 Watts	20 Watts
SRS TruSurroundXT (Optical)	Yes	Yes	Yes
CONNECTIONS			
MP3 Connectivity	Yes	Yes	Yes
PC RGB Input (D-sub 15-pin)	1	1	1
S-Video In	1 side, 1 Rear	1 side, 1 Rear	1 side, 1 Rear
Composite Video Inputs	1 side, 1 Rear	1 side, 1 Rear	1 side, 1 Rear
Component (480i/480p/720p/1080i)	1	1	1
HDMI	2	2	2
DIMENSIONS & WEIGHT			
Monitor with Stand (WxDxH)	31.7 x 9.8 x 24.1"	39.5 x 13.0 x 29.5"	44.3 x 14.2 x 32.2"
Monitor with Stand Weight	42.3 lbs	60.6 lbs	81.6 lbs

## LN-S 95/96 SERIES

32-, 40- and 46"  
LCD Flat Panel TVs

The step-up 95 and 96 series up the HDTV ante even further with 1080p (1980 x 1080) HD-grade resolution. They feature Samsung's new S-PVA screen to achieve an expanded 6,000:1 dynamic contrast ratio for stunningly deep blacks, and bright, clear whites. The 96 Series are also digital cable ready for added flexibility in tuning terrestrial and cable digital signals, and feature IEEE1394 ports for easy connections to PCs and other digital devices.



	LN-S3296D	LN-S4095D LN-S4096D	LN-S4695D LN-S4696D
B&H Number	SALNS3296D	SALNS4095D / SALNS4096D	SALNS4695D / SALNS4696D
	DISPLAY		
Diagonal Screen Size	32"	40"	46"
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
TV and PC Monitor Capable	Yes	Yes	Yes
Pixel Resolution (V/H)	1366 x 768	1366 x 768 / 1920 x 1080	1920 x 1080
Built-in Tuner	ATSC	ATSC	ATSC
Brightness (cd/m2)	500	500	500
Contrast	6,000:1	6,000:1	6,000:1
DNIe	Yes	Yes	Yes
	AUDIO		
Total Audio Outputs	20 Watts	20 Watts	20 Watts
SRS TruSurroundXT (Optical)	Yes	Yes	Yes
	CONNECTIONS		
MP3 Connectivity	Yes	Yes	Yes
PC RGB Input (D-sub 15-pin)	1	1	1
S-Video In	1 side, 1 Rear	1 side, 1 Rear	1 side, 1 Rear
Composite Video Inputs	1 side, 1 Rear	1 side, 1 Rear	1 side, 1 Rear
Component (480i/480p/720p/1080i)	1	1	1
HDMI	2	2	2
	DIMENSIONS & WEIGHT		
Monitor with Stand (WxDxH)	31.6 x 20.5 x 22.8"	39.1 x 12.8 x 27.4"	44.5 x 12.8 x 31"
Monitor with Stand Weight	33.1 lbs	54 lbs	81.6 lbs

## LN-S5797D

## Super Size 57" Wide HDTV

Samsung's sleek 57" LCD leads the industry in realistic home entertainment. With its 4000:1 dynamic contrast ratio, over six million pixel resolution, Cold Cathode Fluorescent Lamp, S-PVA Panel, and 10-bit processor with 12.8 billion colors, the LN-S5797D delivers a picture of startling clarity that rivals real life. The audio system is equally impressive, with hidden bottom speakers that offer SRS TruSurround XT sound through the Dual Acoustic Chamber System. A 178° viewing angle lets you enjoy shows from anywhere in the living room, den or great room.

## FEATURES

- ◆ HD-grade 1920(H) x 1080(V) pixel resolution with built-in image scaler to handle inputs from a variety of digital and analog audio/video sources.
- ◆ Samsung's S-PVA screen enables brighter whites, deeper blacks and every shade in between. 4000:1 dynamic contrast ratio provides an abundant palette of perfect colors.
- ◆ 178°(H) / 178°(V) viewing angle improves viewing angle, contrast, and brightness to provide an even better picture.
- ◆ Digital comb filter minimizes edge image artifacts while improving transition detail.
- ◆ 10-Bit processor with 12.8 billion colors
- ◆ Built-in NTSC/ATSC digital tuner
- ◆ 8 ms response time minimizes blurring of moving video.
- ◆ 2 tuner Picture-in-picture (PIP) enables convenient simultaneous viewing of TV programs and video or PC sources.
- ◆ SRS TruSurround XT is a patented SRS technology that solves the problem of playing 5.1-channel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through the two-speaker internal playback system.
- ◆ Two HDMI inputs allows for the transmission of both video and audio digital signals through a single connection for higher quality and fewer wires.
- ◆ Progressive scan eliminates the flicker that you see on traditional, interlaced scanning televisions.

- ◆ Samsung's exclusive DNLe (Digital Natural Image Engine) makes the sharpest and clearest images possible, regardless of the profile of input signals. Five image processors and a six-times density enhancer ensure the best picture from any source. Now in its fourth generation, DNLe guarantees the truest colors and highest contrast, while virtually eliminating digital artifacts.
- ◆ Clock on/off timer is the perfect solution to wake up to your favorite morning show, or set a time to turn off the TV so it doesn't stay on all night. Can also be used when you're out.

- ◆ V-Chip System allows blocking of rated TV and movie programs determined by the parent to contain objectionable content.
- ◆ Multi-lingual on-screen displays in English, Spanish or French.
- ◆ Variable sleep timer to turn the TV off in varying time intervals.
- ◆ Auto volume leveler keeps audio volume consistent during channel changing.
- ◆ Auto channel search
- ◆ Stereo broadcast reception: (MTS)
- ◆ Still picture



## LN-S5797D SPECIFICATIONS

B&H Number	SALNS5797D
Diagonal Screen Size	57"
Aspect Ratio	16:9 (Widescreen)
TV and PC Monitor Capable	Yes
Pixel Resolution (V/H)	1920 x 1080
Built-in Tuner	ATSC / NTSC
Brightness (cd/m <sup>2</sup> )	500
Contrast	4,000:1
DNLe	Yes
Total Audio Outputs	30 Watts
SRS TruSurroundXT (Optical)	Yes
PC RGB Input (D-sub 15-pin)	2
Component (480i/480p/720p/1080i)	2
HDMI	2
Monitor with Stand	54.1 x 15 x 38.4" (WDH); it weighs 125.7 lbs

## HP-S4253/HP-S5053 • HP-S4273/HP-S5073

### 42- and 50" Widescreen HD Plasma TVs

*Aesthetically-pleasing, high-performance solution for every home, Samsung's plasma TVs incorporate patented FilterBright technology to offer sharper image details and drastically-reduced reflection. FilterBright is a powerful anti-reflective film that absorbs external light and transmits internal light, thereby increasing the contrast levels and preventing unwanted reflection. In bright daylight, FilterBright creates high contrast with pure black to show clearer image details and generate superb industry-leading dark area representation.*

*The HP-S4253 and HP-S5053 place Samsung's outstanding picture quality front and center in a TrueWide elegant "invisible speaker" cabinet design. The 16:9 screen aspect ratio, combined with Samsung's detailed color, contrast and brightness provide an unforgettable HD screen experience. With a built-in ATSC/NTSC tuner, PC Input, and two HDMI ports, they let you expand your entertainment horizons with convenient connections to HD content sources.*

*The HP-S4273 and HP-S5073 step up digital cable-ready tuner with CableCard slot, and user-friendly stand which allows convenient repositioning for a flexible viewing angle increasing the flexibility of the TV's possible placement without compromising picture viewing quality. They also offer a 9-in-2 multi-card interface slot located on the side panel, allowing access to digital photos and other information from portable digital storage devices.*



#### FEATURES

##### Video

- ◆ To reproduce natural images, they incorporate 13-bit processing capability to produce over 549 billion colors. Compare that to most competitors' 10-bit processing systems that produce just one billion colors. From the faint sunlight of dawn to the extreme spotlights of a fashion show, they provide vivid, life-like images that rival reality.
- ◆ Two of the most important factors in overall picture quality, the contrast (10,000:1 ratio) and brightness levels (1300 cd/m<sup>2</sup>) achieve new heights with these plasma panels.
- ◆ 1024 x768 (HP-S4253/4273) or 1366 x 768 (HP-S505/7053) resolution presents video and text with outstanding clarity.
- ◆ The picture quality of plasma TVs can deteriorate based on the amount of ambient light that shines on its surface. FilterBright technology solves this problem by minimizing the reflection of external light while maximizing the projection of the TV picture.

##### High Performance

- ◆ Built-in NTSC/ATSC tuner with split screen & PIP (small, large, double) enables convenient simultaneous viewing of TV and video or PC sources. Built-in analog tuner allows you to connect an analog RF signal cable directly to the set and watch "regular" TV right out of the box.
- ◆ Connect your DVD and DTV sources with two smart component video (Y/Pb/Pr) inputs that accept 480i/480p/720p/1080i signal
- ◆ They can also function as a PC monitor.
- ◆ Color Tone modes include: Normal, Cool1, Cool2, Warm1, Warm2
- ◆ On-board aspect ratio controls also handles analog 4:3 sources in standard, wide screen, panorama, zoom 1 and zoom 2 modes.
- ◆ They are equipped with discrete IR codes for use with a macro/programmable remote for key functions.
- ◆ Picture modes include: Standard, Dynamic, Custom and Movie
- ◆ 3D Y/C Digital Comb Filter constantly analyzes the three dimensions of picture height, picture width, and picture changes over-time, to dramatically reduce edge image artifacts while improving transition detail.
- ◆ Samsung's exclusive DNLe (Digital Natural Image Engine) makes the sharpest and clearest images possible, regardless of the profile of input signals. Five image processors and a six-times density enhancer ensure the best picture from any source. Now in its fourth generation, DNLe guarantees the truest colors and highest contrast, while virtually eliminating digital artifacts.
- ◆ Fanless cooling for low noise operation.
- ◆ 60,000 hour panel life ensures high picture quality will be around for a while.

## HP-S4253/HP-S5053 • HP-S4273/HP-S5073

**Audio**

- ◆ SRS TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through the two speaker internal playback system.
- ◆ They incorporate integrated speakers for ease of use and beautiful design. Home theater enthusiasts can use an external audio system can also be used if desired, for full multi-channel audio effect.
- ◆ Powerful built-in amplifier to drive the integrated stereo speakers.
- ◆ Sound modes include: Standard, Custom, Music, Movie and Speech
- ◆ Built-in 1-way, 2-speaker system
- ◆ Closed Caption displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.

**Conveniences**

- ◆ The each come with detachable stands for tabletop use.
- ◆ Trilingual on-screen displays
- ◆ HDMI interface allows for the transmission of both video and audio digital signals through a single connection for higher quality and fewer wires.
- ◆ On/off timer; Favorite channel list
- ◆ Burn-in resistant panel with:
  - Auto pixel shift (user programmable)
  - Signal pattern processing function
  - White screen processing function

**HP-S4273/5073  
Step-up Features**

- ◆ Enjoy digital cable and HDTV without a set-top box. Simply plug your cable-company supplied CableCARD into your TV, connect your signal and you're ready to go. Your Samsung TV's remote controls it all.
- ◆ Built-in 2-way, 6-speaker system
- ◆ 9-in-2 multi-card interface slot located on the side panel, allowing access to digital photos and other information from portable digital storage devices. Compatible withSD, MMC, SmartMedia, CF, Memory Stick and Memory Stick Pro memory cards.

	HP-S4253	HP-S5053	HP-S4273	HP-S5073
<b>B&amp;H Number</b>	SAHPS4253	SAHPS5053	SAHPS4273	SAHPS5073
<b>DISPLAY</b>				
<b>Diagonal Screen Size</b>	23"	26"	32"	40"
<b>Aspect Ratio</b>	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
<b>TV and PC Monitor Capable</b>	Yes	Yes	Yes	Yes
<b>Pixel Resolution (V/H)</b>	1024 x 768	1366 x 768	1024 x 768	1366 x 768
<b>Built-in Tuner</b>	NTSC	ATSC	ATSC	ATSC
<b>Brightness (cd/m<sup>2</sup>)</b>	1,300	1,300	1,300	1,300
<b>Contrast</b>	10,000:1	10,000:1	10,000:1	10,000:1
<b>Filter Bright</b>	Yes	Yes	Plus	Plus
<b>13-bit Color</b>	Yes	Yes	Yes	Yes
<b>DNIe</b>	Yes	Yes	Yes	Yes
<b>Watt/Channel Amp</b>	10	10	15	15
<b>Picture-in-Picture Split Screen</b>	Yes	Yes	Yes	Yes
<b>Digital Cable Ready (DCR) Tuner</b>	—	—	Yes	Yes
<b>INPUTS &amp; OUTPUTS</b>				
<b>Component Video Input (Y, Pb, Pr)</b>	2	2	2	2
<b>PC RGB Input (D-sub 15-pin)</b>	1	1	1	1
<b>HDMI</b>	2	2	2	2
<b>S-Video In</b>	1 Side, 1 Rear			
<b>Composite Video In</b>	1 Side, 1 Rear			
<b>RF Input</b>	Cable / Air	Cable / Air	Cable / Air	Cable / Air
<b>DIMENSIONS &amp; WEIGHT</b>				
<b>Monitor with Speaker (WxDxH)</b>	41.5 x 3.8 x 28.1"	48.3 x 3.8 x 31.6"	41.5 x 3.8 x 28.1"	48.3 x 3.8 x 31.6"
<b>Monitor with Stand (WxDxH)</b>	41.5 x 13.4 x 30.1"	48.3 x 13.4 x 33.3"	41.5 x 13.4 x 30.4"	48.3 x 13.4 x 33.9"
<b>Monitor with Stand Weight</b>	88.2 lbs	108 lbs	89.1 lbs	108.7 lbs



## HP-S6373

## 63" Widescreen HD Plasma TV

The amazing 63" HP-R6373 packs a host of high-performance features into a slim "bezel-less" model that is less than 4" deep. Utilizing the picture-quality advances that have put Samsung plasmas at the top of consumer wish lists, the 63" plasma delivers one of the clearest, most-detailed high definition images available. Features 13-bit signal processing power for an astounding 549 billion displayable colors, in addition to a high contrast ratio of 10,000:1 and 1000 cd/m<sup>2</sup> brightness. A built-in HD tuner and digital cable-ready CableCARD compatible technology let consumers watch the latest digital broadcasts with ease. Samsung's patented DNle image enhancer ensures superior picture from almost any source, securing the HP-S6373's status as the plasma display of choice for the true home theater aficionado.

## FEATURES

- ◆ FilterBright Plus anti-glare filter minimizes the reflection of external light while maximizing the projection of the TV picture. Viewers can enjoy crisp and bright images in any lighting conditions.
- ◆ 10,000:1 contrast ratio/1000 cd/m<sup>2</sup> brightness. Two of the most important factors in overall picture quality, contrast and brightness, achieve new heights in these latest generation plasma panels.
- ◆ 1366(H) x 768(V) pixel resolution presents video and text with outstanding clarity and resolution.
- ◆ 3D Y/C digital comb filter constantly analyzes the three dimensions of picture height, picture width, and picture changes over-time, to dramatically reduce edge image artifacts while improving transition detail.
- ◆ 16:9 widescreen aspect ratio lets you fill your screen with DVD and HDTV images. On board aspect ratio controls allow for handling analog 4:3 sources in standard, wide screen, panorama, and zoom modes.
- ◆ To reproduce natural images, they incorporate 13-bit processing capability to produce over 549 billion colors. Compare that to most competitors' 10-bit processing systems that produce just one billion colors. From the faint sunlight of dawn to the extreme spotlights of a fashion show, they provide vivid, life-like images that rival reality.
- ◆ Split screen & picture-in-picture enables convenient simultaneous viewing of TV and video or PC sources.
- ◆ Samsung's exclusive DNle (Digital Natural Image Engine) makes the sharpest and clearest images possible, regardless of the profile of input signals. Five image processors and a six-times density enhancer ensure the best picture from any source. Now in its fourth generation, DNle guarantees the truest colors and highest contrast, while virtually eliminating digital artifacts.
- ◆ Combined with DNle proprietary circuitry, it gives the most stunning realistic picture quality ever from a flat panel set.
- ◆ 30-watt built-in audio amplifier to drive the integrated one-way, 6-speaker system.
- ◆ SRS TruSurround XT plays 5.1 multichannel content over two speakers to offer a compelling, virtual surround sound experience. On/Off timer and Sleep timer (180 min max)
- ◆ Burn-in resistant panel with
- Auto pixel shift (user programmable)
- Signal pattern processing function
- White screen processing function
- ◆ Power Save feature reduces energy consumption by up to 25% compared with standard TVs.
- ◆ 60,000 hour panel life ensures high picture quality will be around for a while. Built-in HDTV tuner (NTSC 3.58/ATSC)
- ◆ Integrated swivel stand
- ◆ Trilingual on-screen displays (English, Spanish, French)
- ◆ Auto power off (15 min after no signal)
- ◆ Favorite channel list
- ◆ 2-year parts and labor warranty—longer than most competitors for a reason. The product is built to last and provide years of trouble-free top quality enjoyment.



## HP-R6372 (SAHPR6372)

Digital Cable Ready (DCR) Tuner	Yes
PC RGB Input (D-sub 15-pin)	Yes
Composite Video Input	1 Side / 1 Rear
HDMI, S-Video Input	Yes, 1 Side / 1 Rear
Monitor with Speakers and Stand	59.3 x 16.2 x 41.4"
Monitor with Stand Weight	191.8 lbs

**LCDVD200****20" LCD TV/DVD Combo**

The LCDVD200 provides sharp, well-defined and clear images in 4:3 standard aspect ratio, letting you enjoy TV programming and your favorite DVD movies. You can playback different media such as DVD-Video, CD-R/W discs with WMA and MP3 audio files. Two on-board flat speakers provide excellent stereo sound. To expand, use its coaxial digital audio output to enjoy dynamic sound of digital stereo (feed the output to an amplifier with digital input). Other features include Auto Lock (Parental Control) and On-Screen Menu in three (English, French and Spanish) languages.

**TDC2075****20" TV/DVD/VCR Combination**

The TDC2075 TV/DVD/VCR combo is an entertainment center all packed up and ready to go. Watch your favorite VHS tapes and DVD movies without the hassle of wires and extra remotes. The 20" screen gives you sharp, lifelike images, and reduces reflections from room lighting. The TDC2075 can play DVD-Video, audio CDs, CD-R and CD-RW discs with WMA and MP3 files. For added convenience the A/V input, as well as the headphone jack, were placed in the front of the unit for easy access.

**DFTV275****27" 4:3 HD-Ready CRT TV**

Accepting up to 1080i signals, the DFTV275 delivers increased viewing angle along with the enhanced HD picture linearity necessary to produce accurate life-like images. Additionally, unwanted reflections from room lighting are eliminated, compared to conventional tube designs. Features a one button sleep timer, tri-lingual on-screen display, side-mounted, front-firing speaker and a V-Chip that identifies and blocks violent or inappropriate programming, prohibiting viewing by young children.



**DTV3200****32" 4:3 HD-Ready CRT TV**

The 32" DTV3200 delivers enhanced HD picture linearity necessary to produce accurate life-like images. A 2-Line Digital Comp Filter virtually eliminates dot crawl interference - for superior picture quality. The DTV3200 is equipped with front A/V input jacks for easy connection to outside sources. Features a one button sleep timer, tri-lingual on-screen display, side mounted, front firing speaker and a V-Chip that identifies and blocks violent or inappropriate programming, prohibiting viewing by young children.

**HDLCDVD325****32" HDTV/DVD Combo**

The 32" HDLCDVD325 integrates a DVD player with sharp, well-defined and clear images and an excellent audio performance through its front-firing speakers. Plays DVD-Video, DVD-R/RW and CD-DA discs. It has a built-in tray for DVD loading; the tray itself has a lock. It features 1366 x 768 pixel resolution and a high-contrast ratio (800:1). The LCD panel also reduces glare and provides bright and vivid pictures. A 3D Y/C Digital Comb Filter minimizes dot crawl and cross-color noise to reduce rough edge images. It is equipped with an HDMI input to receive uncompressed digital audio and video signals over a single wire.

**HDPDP4200 • HDPDP5000****42" and 52" Plasma Monitors**

If you're looking for superior picture quality in your home theater system then check out the HDPDP4200 (42") or HDPDP5000 (50") plasma monitors from Sansui. These plasma display feature enhanced image clarity with pixel plus technology, and the latest in PDP science, all in one package. They come in a sleek and minimal design that will compliment any home interior and has options that decorators will love. You can mount them for the ultimate home theater experience or use the included table top unit to keep that cozy living room feeling.



## AQUOS LCD TVs

AQUOS LCD TVs capture attention with incredible image quality, uniquely sculpted style and contemporary design. AQUOS not only changes the way you'll look at television, but also the way television looks. These award-winning TVs offer an elegant alternative to traditional CRTs, and make dramatic statements about your lifestyle. Whichever model you choose, AQUOS TVs redefine what's possible in home entertainment.

**A WHOLE NEW PERSPECTIVE ON TELEVISION**

From the sleek contemporary design, to the startling clarity of the LCD panel, AQUOS will enhance every aspect of your television experience. 13", 15" and 20" sizes allow you to bring amazing television into every corner of your home. Plus all AQUOS offer component video, S-Video, composite video and RF inputs. And that's just the beginning.

**LONG-LIFE BACKLIGHT SYSTEM**

A redesigned backlight system minimizes light loss, providing a long lamp life of about 60,000 hours (when used continuously in a room at 25°C and in standard lighting conditions and brightness). AQUOS Liquid Crystal Televisions also feature an Auto-Save function that automatically adjusts the brightness of the backlight to match ambient light conditions, contributing to further energy savings.

**EARTH-FRIENDLY DESIGN**

Thanks to their compact size, AQUOS TVs require fewer parts and less packaging than conventional CRT televisions. The main unit employs non-halogen materials and lead-free solder, while the base stand is made of 30% recycled materials. The entire unit disassembles easily and uses unified grades of non-combustible materials for easier recycling. Sharp has eliminated the use of polystyrene packaging and molded parts that contain vinyl chloride, further reducing the burden on the environment.

**LOW POWER CONSUMPTION**

AQUOS TVs consume 30 to 50% less than comparably sized CRT televisions, which not only makes them more economical, but also contributes to the reduction of global CO<sub>2</sub> emissions.

**LC-13SH6U • LC-15SH6U • LC-20SH6U****13-, 15- and 20" 4:3 LCD TVs**

Incorporating many of the superior features found in Sharp's AQUOS TVs, the SH6U series offer excellent picture quality and design at an affordable price, so you can upgrade your TV viewing experience with the benefits of Sharp LCD televisions in any room of the home. These elegant models have silver side speakers and a black finish to complement any decor. The LC-13SH6U (13"), LC-15SH6U (15"), LC-20SH6U (20") offer 170° viewing angles and Sharp's proprietary Advanced Super View (ASV) panel with "Black TFT" low-reflection coating, enabling you to watch TV from anywhere in the room, even near windows, doors or other ambient light sources, and still display a superior picture. They also feature high contrast and brightness levels for blacker blacks and exceptional color clarity. These features, combined with Enhanced Definition 480p resolution, ensure that TV shows and DVD movies are vibrant and clear.

- ◆ They are compatible with 480p progressive DVD signals, and use advanced 3:2 pull-down to display EDTV (Enhanced Definition TV).
- ◆ They are very bright, so you can put them anywhere — even near windows, doors or other light sources — and their picture will still be vivid.
- ◆ Flicker-free, low reflective screen reduces eyestrain, allowing for longer viewing without fatigue.
- ◆ They incorporate Sharp's proprietary ASV (Advanced Super View) LCD Panel with Black TFT low reflection coating to effectively reduce screen glare caused by indoor lights and sunlight.
- ◆ 500:1 contrast ratio provides incredible images whether you're watching dark or bright scenes.
- ◆ 170°/170° viewing angles are so wide that you can view the TVs from almost anywhere in the room.
- ◆ LCD backlight life (60,000-hour lamp life) will give you viewing pleasure for many years.



## LC-15S5U • LC-20S5U

## 15- and 20" AQUOS 4:3 Enhanced Definition LCD TVs

Available in 15- and 20" screen sizes, the S5U series offers exceptional picture clarity and brightness in a sleek body, bringing superior LCD performance to any room in the house.

The LC-15S5U (15") and LC-20S5U (20") have fixed bottom speakers and a silver finish with black side trim, making them ideal for a variety of rooms. They feature a Black TFT/Advanced Super View VGA (640 x 480) panel that brings movies and television broadcasts to life, and 480p compatibility for viewing progressive DVDs in true-to-life color and clarity. The S5U series includes Optical Picture Control (OPC) for automatic brightness adjustment to accommodate a room's lighting conditions. Both feature NTSC, PAL and SECAM video playback capability, HD compatible input and a high brightness level of 430 cd/m<sup>2</sup> (15") and 450 cd/m<sup>2</sup> (20"), so the picture can be seen clearly in any lighting environment.



## FEATURES

- ◆ They provide a unique, versatile solution for home installation. Their stylish yet simple design, with speakers placed below the LCD screen, makes them much narrower than side-speaker models. This enables them to fit into many places throughout the home, all without sacrificing any features.
- ◆ They incorporate Sharp's proprietary ASV (Advanced Super View) LCD Panel with Black TFT low reflection coating to effectively reduce screen glare caused by indoor lights and sunlight.
- ◆ Built-in 181-channel tuner allows you to plug your cable TV line right into the TV and start watching.
- ◆ They are very bright, so you can put them anywhere — even near windows, doors or other light sources — and their picture will still be vivid.
- ◆ 480p (EDTV Monitor) compatibility enables compatibility with progressive DVD players.
- ◆ 500:1 contrast ratio provides incredible images whether you're watching dark or bright scenes
- ◆ 170°/170° viewing angles are so wide that you can view the TVs from almost anywhere in the room.
- ◆ They include an easel-style table stand that allows the TVs to occupy an amazingly small footprint. In addition, the stand is easily removed for wall mounting applications (VESA 100mm standard mounting pattern and are compatible with a wide range of brackets.
- ◆ Sharp's LCD backlight life is long enough (60,000-hour lamp life) to give you viewing pleasure for many years.

	LC-13SH6U	LC-20SH6U	LC-15S5U	LC-20S5U
<b>B&amp;H Number</b>	SHLC13SH6U	SHLC20SH6U	SHLC15S5U	SHLC20S5U
<b>Screen</b>	13" ASV Black TFT LCD panel	20" ASV Black TFT LCD panel	15" ASV Black TFT LCD panel	20" ASV Black TFT LCD panel
<b>Number of Pixels</b>	640 x 480	640 x 480	640 x 480	640 x 480
<b>Audio System</b>	1W + 1W	1W + 1W	2.1W + 2.1W	2.1W + 2.1W
<b>Contrast Ratio</b>	500:1	500:1	500:1	500:1
<b>HDMI In</b>	—	—	—	—
<b>HD Component Input</b>	Y/Pr/Pb x 1	Y/PB/PR x 1	Y/PB/PR x 1	Y/PB/PR x 1
<b>S-Video Input</b>	4-pin DIN x 1			
<b>Composite Video Input</b>	RCA x 2	RCA x 2	RCA x 2	RCA x 2
<b>Audio In</b>	RCA L/R x 4	RCA L/R x 4	RCA L/R x 3	RCA L/R x 3
<b>RF In</b>	—	—	Yes x 1	Yes x 1
<b>Composite Out</b>	RCA Video Out x 1			
<b>Audio Out</b>	RCA L/R x 1			
<b>Cabinet Color</b>	Silver/Black	Silver	Silver with black sides	Silver with black sides
<b>Dimensions* (WHD)</b>	18.7 x 12.8 x 7.8"	24.1 x 17.2 x 8.8"	14.6 x 15.2 x 7.4"	19 x 18.7 x 9.5"
<b>Weight*</b>	9.1 lbs.	16.1 lbs.	10.6 lbs.	15.9 lbs.

\* with stand and speakers

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## DV20U SERIES

## 20-and 26" 16:9 LCD TV/DVD Combo's

*Slim and versatile space-saving solutions, the DV20U series are widescreen LCD TV/DVD combination units that combine Sharp's superior LCD TV performance with the rich, true-to-life color output of a progressive-scan DVD player. The 26" LC-26DV20U features built-in NTSC/ATSC/QAM tuners, the 20" LC-20DV20U has a built-in NTSC tuner. Both feature HDMI and HD component input for simple, versatile set-up and high-definition compatibility when connected to a separate set-top box. With true 16:9 (1366 x 768) resolution, the DV20U series is capable of displaying 1080i and 720p high-definition signals.*

*Both feature high 800:1 contrast ratio for rich black tones and crisp images. 170° viewing angles allow them to be seen clearly from almost anywhere in the room. High brightness levels deliver clear, vibrant pictures and true-to-life color clarity under any lighting conditions. Because of Sharp's proprietary Advanced Super View (ASV) panel with "Black TFT" low-reflection coating, the units can be placed near doors, windows or other light sources and still display a clear, vivid picture.*

- ◆ True 16:9 aspect ratio (1366 x 768) LCD panel displays widescreen programs without the need for scaling or other video processing.
- ◆ 170°/170° viewing angles let you view the TVs from almost anywhere in the room!
- ◆ Built-in side-loading progressive scan DVD player is the ultimate in convenience!
- ◆ With high brightness of 450 cd/m<sup>2</sup> you can put them anywhere – even near windows, doors or other light sources – and their picture is still vivid.
- ◆ Built-in NTSC tuner (LC-20DV20U) and, ATSC/QAM/NTSC tuners for DTV and analog TV viewing (LC-26DV20U).
- ◆ HDMI input for convenient connection to digital devices.
- ◆ 800:1 contrast ratio provides incredible images whether you're watching dark or bright scenes
- ◆ 8ms response time ensures you enjoy all fast motion video without blurring or delay.



## LCD vs. PLASMA

Feature	LC-TV	Plasma	Advantage
Viewing Angles	All AQUOS LC-TVs have wide 170° horizontal and vertical viewing angles.	Typical plasma TV viewing angles are 160°	<b>LC-TV.</b> Wide TV viewing angles allow greater viewing locations and TV placement.
Screen Sizes	AQUOS LC-TVs come in a variety of sizes: 13", 15", 20", 22", 26", 30", 32", 37" & 45".	Plasma displays are not produced smaller than 32".	<b>LC-TV.</b> AQUOS LC-TVs offer screen sizes to fit nearly every room and budget.
Burn-in	No image burn-in.	Computer and video game inputs are not recommended. Also, video broadcasts with logos at the bottom, or a station identifying logo "watermark" can cause burn-in of static images.	<b>LC-TV.</b> AQUOS LC-TVs offer the most versatile input options.
Brightness	All AQUOS LC-TVs have a brightness rating of 430 cd/m <sup>2</sup> .	Plasma TVs are measured based on a different standard than LCD panels. When compared under the same circumstances as LC-TV, plasma display brightness is typically about 100 cd/m <sup>2</sup> .	<b>LC-TV.</b> Brightness is important to help ensure optimal viewing under varied daily lighting conditions.
Weight	LCD panels are lighter and more manageable. Most customers can easily mount an LCD panel. In addition, all AQUOS models come with a built-in table stand.	Plasma TVs are about an inch deeper and are fairly heavy, and may need additional wall support or professional installation.	<b>LC-TV.</b> AQUOS LC-TVs easily move and offer versatile installations with use of mounting brackets and articulating arms. The heavier more fragile Plasma TVs can be a challenge to move and have limited installation options.
Product Life	AQUOS LC-TVs have a life-span of 60,000 hours.	Typical plasma displays have a life-span of 20,000 to 30,000 hours and once the brightness level decreases, there is no recovery, so the TV must be replaced.	<b>LC-TV.</b> Make your investment last longer.
Power Consumption	LCD panels consume about half the power of plasma displays.	Plasma displays require more power to light each cell individually.	<b>LC-TV.</b> Save energy costs and the environment.
Altitude	No altitude limitations.	When installed at elevations above 6,500 feet, they will often emit an annoying buzzing noise, because the plasma gas inside is subject to air pressure.	<b>LC-TV.</b> AQUOS LC-TV will perform consistently regardless of altitude.

## SH20U SERIES

## 20-, 26-, 32-, 37- and 42" 16:9 LCD HDTVs

Available in 20-, 26-, 32- and 37" screen sizes, the SH20U series provides a slim, versatile high-definition television solution with a distinctive design. They all feature a high-performance LCD panel for high brightness, a high contrast ratio, low-reflection glare protection and wide viewing angles, as well as Sharp's Emmy Award-winning LCD technology.

They feature true 16:9 resolution of 1366 x 768, built-in ATSC/QAM/NTSC tuners (except the 20" model) and HDMI and HD component terminals for the remarkable experience of HDTV programming combined with simple and versatile connectivity options. They feature a high contrast ratio of 800:1 for rich black tones and crisp on-screen images, and a pixel response time of less than 12ms for excellent picture quality even on fast-moving action scenes. They offer a wide viewing angle (170°) so they can be viewed clearly from almost anywhere in a room, and high brightness levels for clear, vibrant pictures and true-to-life color clarity in any lighting conditions. The 20" LC-20SH20U has all of the features of the SH20U Series except it is also PC compatible and is only an HDTV monitor (no built-in tuner.) It is compatible with all HDTV signals (480p, 720p and 1080i) but requires a separate decoder.



## FEATURES

- ◆ True 16:9 Aspect Ratio (1366 x 768) LCD Panel displays 16:9 widescreen programs in their native aspect ratio without the need for scaling or other video processing.
- ◆ Built-in ATSC / QAM / NTSC Tuners for DTV and analog TV viewing (LC-20SH20U includes only NTSC tuner).
- ◆ High Brightness (450 cd/m<sup>2</sup>) Sharp Liquid Crystal Televisions are very bright, so you can put them anywhere – even near windows, doors or other light sources – and their picture is still vivid.
- ◆ HDMI Input for convenient connection to digital devices.
- ◆ 170°H x 170°V Viewing Angles are so wide you can view Sharp Liquid Crystal Televisions from anywhere in the room!
- ◆ 800:1 Contrast Ratio provides incredible images whether you're watching dark or bright scenes!
- ◆ 12ms response time ensures you enjoy all fast motion video without blurring or delay.

- ◆ Sharp's 60,000-hour LCD backlight lamp life will give you viewing pleasure for many years.

	LC-20SH20U	LC-26SH20U	LC-32SH20U	LC-37SH20U	LC-42SH20U
<b>B&amp;H Number</b>	SHLC20SH20U	SHLC26SH20U	SHLC32SH20U	SHLC37SH20U	SHLC42SH20U
<b>Screen</b>	13" Active Matrix	15" Active Matrix	20" Active Matrix	15" Active Matrix	20" Active Matrix
<b>Pixel Resolution</b>	VGA (640 x RGB x 480)	VGA (640 x RGB x 480)	XGA (1024 x RGB x V 768)	VGA (H640 x RGB x V480)	640 x 480 x R/G/B=VGA
<b>Video Systems</b>	NTSC, PAL, PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL SECAM
<b>Audio System</b>	2.1W + 2.1W	2.1W + 2.1W	2.1W + 2.1W	2.1W + 2.1W	2.1W + 2.1W
<b>Contrast Ratio</b>	500:1	500:1	500:1	500:1	500:1
<b>HD Component Input</b>	Y/PB/PR x 1	Y/PB/PR x 1	Y/PB/PR x 2	Y/PB/PR x 1	Y/Pr/Pb x 1
<b>S-Video Input</b>	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1
<b>Composite Video Input</b>	RCA x 2	RCA x 2	RCA x 2	RCA x 2	RCA x 2
<b>Cabinet Color</b>	Silver top and bottom. Black side speakers.	Silver top and bottom. Black side speakers.	Silver top and bottom. Black side speakers.	Silver	Silver
<b>Power Consumption AC</b>	47W	54W	81W	36W	73W
<b>Dimensions with Stand</b>	71 <sup>51</sup> / <sub>64</sub> " x 13 <sup>1</sup> / <sub>16</sub> " x 8 <sup>3</sup> / <sub>16</sub> " (WHD)	19 <sup>59</sup> / <sub>64</sub> " x 14 <sup>3</sup> / <sub>16</sub> " x 8 <sup>13</sup> / <sub>16</sub> " (WHD)	25 <sup>1</sup> / <sub>8</sub> " x 17 <sup>29</sup> / <sub>64</sub> " x 9 <sup>17</sup> / <sub>32</sub> " (WHD)	14 <sup>9</sup> / <sub>64</sub> " x 14 <sup>7</sup> / <sub>8</sub> " x 7 <sup>7</sup> / <sub>16</sub> " (WHD)	19 <sup>1</sup> / <sub>32</sub> " x 18 <sup>25</sup> / <sub>32</sub> " x 8 <sup>3</sup> / <sub>64</sub> " (WHD)
<b>Weight with stand</b>	9.5 lbs.	10.6 lbs.	19.4 lbs.	9.5 lbs.	15.2 lbs.

**LC-26D40U • LC-32D42U • LC-37D42U****AQUOS 26- 32 -and 37" 16:9 Widescreen HDTVs**

Available in an elegant piano black finish with fixed bottom-mounted speakers, the 26" LC-26D40U, 32" LC-32D42U, and the 37" LC-37D42U are competitively-priced widescreen HDTVs that deliver crisp on-screen images and the most vibrant colors possible. They include an enhanced version of the ASV (Advanced Super View) LCD panel which provides a superb contrast ratio of 1200:1 on the LC-26D40U and an incredibly sharp 6000:1 contrast ratio on the LC-32D42U and LC-37D42U. They feature an enhanced pixel response time of less than 6ms to further improve picture quality on fast-moving action scenes. With multi-pixel technology enabling wider viewing (176°), they can be viewed from almost anywhere in the room. And with 1366 x 768 resolution for a true 16:9 aspect ratio, built-in ATSC/QAM/NTSC tuners and dual HDMI and HD component terminals, they deliver stunning HDTV programming combined with incredible connectivity options for simple, versatile set-up. All feature high brightness and Black TFT low-reflection coating, so they can be placed near bright light sources or windows without compromising picture quality. The LC-32D42U and LC-37D42U also step up with enhanced color filter, a 15-pin RGB PC input and removable table stand, allowing for wall mounting applications.

**FEATURES**

- ◆ 1366 x 768 panel displays HDTV program images in 720p and is compatible with off-air, cable and satellite HDTV broadcasts.
- ◆ LC-32D42U and LC-37D42U have an enhanced color filter that uses finer points to achieve higher throughput, enabling deeper, more vivid colors and 150% higher contrast ratio.
- ◆ Black TFT LCD panels deliver contrast ratios of up to 1200:1 (LC-26D40U) and 6000:1 (LC-32D42U and LC-37D42U) and produce whiter whites and blacker blacks than ever before achieved in LCD television.
- ◆ 176°/176° viewing angles let you view the TVs from almost anywhere in the room!.
- ◆ With high brightness of 450 cd/m<sup>2</sup> you can put them anywhere – even near windows, doors or other light sources – and their picture is still vivid.
- ◆ Proprietary Low-Reflection Coating allows Sharp LCD TVs to effectively reduce reflection of sunlight and interior lighting to provide vivid large-screen pictures wherever you install your LCD television.
- ◆ Quick Shoot Sharp's proprietary fast response time video circuit, for response time of 6ms, resulting in smoother, more life-like moving images, even in fast-motion scenes.
- ◆ Built-in speakers and table stand are the ultimate in convenience. The stands are easily removed on the (LC-32D42U and LC-37D42U) allowing for wall-mounting applications.



	LC-26D40U	LC-32D42U	LC-37D42U
<b>B&amp;H Number</b>	SHLC26D40U	SHLC32D40U	SHLC37D40U
<b>Screen</b>	26" Active Matrix Advanced Super View LCD	32" Active Matrix Advanced Super View LCD	37" Active Matrix Advanced Super View LCD
<b>Pixel Resolution</b>	HDTV 1366 x 768	HDTV 1366 x 768	HDTV 1366 x 768
<b>Video Systems</b>	8VSB (ATSC), QAM, NTSC	8VSB (ATSC), QAM, NTSC	8VSB (ATSC), QAM, NTSC
<b>Audio System</b>	10W + 10W	10W + 10W	10W + 10W
<b>Contrast Ratio</b>	1200:1	6000:1	6000:1
<b>HD Component Input</b>	Y/PB/PR x 2, HDMI x 2	Y/PB/PR x 2, HDMI x 2	Y/PB/PR x 2, HDMI x 2
<b>S-Video Input</b>	4-pin DIN x 2	4-pin DIN x 2	4-pin DIN x 2
<b>Composite Video Input</b>	RCA x 2	RCA x 2	RCA x 2
<b>Cabinet Color</b>	Piano Black with bottom speakers	Piano Black with bottom speakers	Piano Black with bottom speakers
<b>Power Consumption AC</b>	145W	170W	186W
<b>Dimensions with Stand</b>	26 5/8" x 21 1/8" x 10 49/64" (WHD)	32 3/8" x 25 17/32" x 10 49/64" (WHD)	37 1/4" x 26 35/64" x 12 1/8" (WHD)
<b>Weight with stand</b>	35.3 lbs.	43 lbs.	53.8 lbs.

## D62U SERIES

## AQUOS 42-, 46- and 52" Widescreen 1080p HDTVs

Competitively-priced, full-HD 1080p AQUOS sets, the LC-42D62U (42"), LC-46D62U (46") and LC-52D62U (52") feature a dramatically enhanced black level, producing a breathtaking picture quality that is second to none, and an elegant, fluid design that redefines the standard for flat-panel display. True HD TVs, with built-in ATSC, QAM and NTSC tuners for access to DTV and analog TV channels, they also feature full-spec 1080p (1920 x 1080) HDTV resolution, providing an unparalleled high-definition experience. For maximum flexibility, they also include dual HDMI inputs that are compatible with 1080p signals from Blu-Ray and advanced gaming devices and two HD component video inputs.

Sharp's proprietary 3-wave length (LC-42D62U), 4-wave length (LC-46D62U and LC-52D62U) backlight systems provide deeper, more vibrant and vivid reds than previously possible. Viewing angles are 176°, enabling the color reproduction to appear bright and vivid from virtually anywhere in the room. With very high brightness (450 cd/m<sup>2</sup>), they can be placed near bright light sources without compromising picture quality, and an OPC function automatically alters brightness to adjust to changing room conditions. Elegantly designed with a sleek, piano black cabinet to match fashionable home decors, a subtle wave in the cabinet conceals the recessed, bottom-mounted speakers, for a refined, fluid look. The included table stand removes easily for wall mounting applications. To achieve their superior picture with unmatched performance, the LC-46D62U and LC-52D62U utilize the next generation of Sharp's proprietary Advanced Super View (ASV) / Black TFT Panel with multi-pixel technology for decreased colorshift and extraordinary LCD performance, enabling native contrast ratio of up to 2000:1 and 10,000:1 dynamic contrast ratio with Enhanced Picture Contrast Technology. Enhanced Quick Shoot video circuitry delivers an incredibly fast pixel response time down to 4 ms, providing stunning picture quality even on fast-moving action scenes.



## LC-42D62U

- ◆ Full HD compatibility with a 1080p (1920 x 1080) resolution for the most detailed picture possible.
- ◆ 1200:1 contrast ratio and 6ms response time produce spectacular picture quality
- ◆ Dual, 1080p-compatible HDMI inputs for the ultimate in interfacing flexibility.
- ◆ The 176° (H) by 176° (W) viewing angle is so wide that it can be viewed from anywhere in the room.
- ◆ The unique OPC function automatically adjusts the set's brightness to conform to changing room conditions
- ◆ High brightness allows you to use the TV virtually anywhere including in close proximity to windows and other light sources.

## LC-46D62U and LC-52D62U Add-

- ◆ Next generation 16:9 ASV LCD panel delivers a native contrast ratio of 2000:1 and a Dynamic Contrast Ratio of 10000:1 with Enhanced Picture Contrast Technology and a 4ms response time.
- ◆ Sharp's Multi-Pixel Technology divides each pixel into two sections and adds an advanced driving system to offer 60% improved color reproduction at wide viewing angles.
- ◆ Enhanced black level provides the deepest, most accurate black of any LC-TV.
- ◆ 4-wavelength enables very deep crimson reds, widening the available color spectrum.

	LC-42D62U	LC-46D62U	LC-52D62U
Screen Size	42"	46"	52"
Aspect Ratio	16:9	16:9	16:9
Contrast Ratio	1200:1	2000:1	2000:1
Total Audio Power	20 Watts	30 Watts	30 Watts
Size with Stand (approx.)	40.5 x 29 x 11.5"	44.5 x 31 x 12"	50 x 34 x 12"
Weight with Stand	75 lbs	78.3 lbs	90.4 lbs

## KV-20FS120 • KV-24FS120



*Control, Channel Jump, two-event clock/timer and favorite channel memory.*

- ◆ Matrix Surround Sound function uses the front speakers to produce a surround sound experience without additional components.
- ◆ 16:9 Enhanced provides enhanced picture resolution for wide-screen sources like DVD.
- ◆ Two sets of composite A/V inputs (1 front, 1 rear), RF and component input, headphone output. The KV-24FS120 adds an S-Video input (rear). Front inputs are ideal for games and camcorder playback.
- ◆ Front panel controls allows access to the on-screen menus without the remote control.

- ◆ Auto Mute automatically mutes the audio output when no signal is received. Prevents a blast of static on vacant channels.
- ◆ Channel Label allows you to label up to 20 channels with their station call letters
- ◆ Video Label let you identify which component is connected to each video input with on-screen titles such as "VCR" and "DVD".
- ◆ Direct MTS allows direct access for changing your Multi-Channel TV Sound: Stereo, Mono or Auto SAP (Second Audio Program) with the touch of a button.

- ◆ Channel Fix assigns a specific TV channel for cable box control.
- ◆ Speed Surf Channel Selection for quick scanning of channels at the touch of a button.
- ◆ Favorite Channels lets you set up and select from up to five of your favorite channels.
- ◆ Sleep Timer lets you fall asleep to TV, by shutting off after 30, 60 or 90 minutes.
- ◆ V-Chip parental control works with TV ratings system to block programs. Blocked programs are protected by a 4-digit password.

## KD-27/32/36 FS170

## 27-, 32- and 36" FD Trinitron 16:9 WEGA TVs

*Enjoy incredible image accuracy and wide viewing angles with Sony's FS170 series WEGA TVs. Stepping up from the KV-20FS120 and KV-24FS120 they feature built-in analog and digital receivers, ClearEdge VM Wideband Velocity Modulation (KD-32FS170 and KD-36FS170 only), Wide Screen Mode and Program Palette Presets.*

**Step-up features from the KV-20/24FS120—**

- ◆ Built-in tuners allow you to receive both analog and digital (NTSC) programming. Digital programming is available via terrestrial signals (over-the-air).
- ◆ ClearEdge VM Wideband Velocity Modulation separates the object and its background, producing clearer edges, better picture depth and improved overall picture quality. Select High, Medium, Low, or Off.
- ◆ Watch digital 16:9 (widescreen) broadcasts in their original widescreen format, or zoom to fill the 4:3 aspect ratio screen.
- ◆ Program Palette Presets optimize contrast, brightness, hue, color, etc. for different types of programming. For MOVIE (greater visual detail), SPORTS (vivid brightness and detail), VIVID (better detail in bright environments) and GAME (eases bright video game colors & graphics). STANDARD reverts to standard settings.



## KD-34XBR970



## 34" FD Trinitron WEGA XBR HDTV

Stepping up from the FS170 series, the KD-34XBR970 adds DRC-MF (Digital Reality Creation Multi Function Circuitry to provide four times better picture resolution. In addition, Magnetic Quadruple Pole, 3D Digital Comb Filter, Cinemotion Reverse 3-2 Pulldown Technology, two rear 1080i/720p capable component inputs and HDMI interface bring you a visual that is brighter and more vivid than ever before. For audio it steps up with Steady Sound with BBE enhancement.

## Step-up features from the KD-FS170 Series—

- ◆ Full HDTV with built-in ATSC tuner for over-the-air HD reception. The integrated ATSC/QAM/NTSC tuner allows the reception of local, off-air digital broadcasts providing the viewing of free, high-definition network programming without set top box or fee.
- ◆ Magnetic Quadruple Pole reduces spot distortion to improve corner-to-corner focus and picture sharpness.
- ◆ 3-D Digital Comb Filter separates luminance from chrominance in composite video signals using to improve the image.

- ◆ DRC (Digital Reality Creation) multifunction circuitry replaces the signal's NTSC waveform with the HD equivalent, while doubling the number of vertical and horizontal lines. This results in an image with 4X the density of the original quality source including DVD, satellite, and digital camcorders.
- ◆ HDMI (High-Definition Multimedia Interface) with HDCP (High Definition Copy Protection) provides an uncompressed, all-digital audio/video interface between the TVs and HDMI-equipped A/V components.

- ◆ CineMotion Reverse 3-2 pulldown processing provides optimal picture quality for film-based (24 frames- per-second) sources. It displays these film-originated images in vivid 480p progressive scanning, restoring the integrity of the original film frames, just like in the movie theater.
- ◆ Steady Sound with BBE enhancement equalizes volume levels so you're never overwhelmed by sudden volume fluctuations. Ensures consistency between programs and commercials.

## Sony Stands for FS170 Series and KD-34XBR970 FD Trinitron WEGA TVs



SU-34XBR4

SU-27FS2



Designed for the FS170 series, the SU-FS2 silver stands have all the space you need for storing additional audio and video equipment. Their smart and sleek design (closed concept stand with glass doors) is the perfect addition to any home entertainment system.

Designed for the KD-34XBR970, the durable SU-34XBR4 stand comes with the strength and storage space you need for additional audio and visual equipment. Back panel allows for easy access to component connections. Featuring a sleek exterior to match your WideScreen 16:9 WEGA, the SU-34XBR4 will add style to your home decor.

**SU-27FS2 (SOSU27FS2)**

For the KD-27FS170. Dimensions are 28.6 x 18.3 x 24.1" (WxDxH) ..... **109.95**

**SU-32FS2 (SOSU32FS2)**

For the KD-32FS170. Dimensions are 34 1/8 x 20 x 24 5/8" (WxDxH) ..... **CALL**

**SU-36FS2 (SOSU36FS2)**

For the KD-36FS170. Dimensions are 38 1/8 x 18 1/8 x 24 1/8" (WxDxH) ..... **CALL**

**SU-34XBR4 (SOSU34XBR4)**

For the KD-34XBR970. Dimensions are 41 1/8 x 18 1/8 x 26 5/8" (WxDxH) ..... **299.95**

## BRAVIA S SERIES

## 16:9 HDTV LCD Televisions

Sleek and stylish LCD TVs, Sony's high-performance Bravia S Series include the KDL-26S2010 (26"), KDL-32S2010 (32"), KDL-40S2010 (40"), and the KDL-46S2010 (46"). Each has an integrated ATSC digital tuner and each features 1366 x 768 screen resolution, 1000:1 contrast ratio, a 3D Y/C comb filter and ample inputs including HDMI, component, two composite and a PC input. They also incorporate Sony's new 1-chip digital video processor that reduces "block noise" around letters, such as on-screen graphics and subtitles and enhances contrast, producing crisp and vivid images. The chip also automatically adjusts greens and blues for truer and brighter colors. They feature the latest in Sony's unique S-PVA technology, which delivers vivid and accurate colors along with wide 178° viewing angles and a blazing 8ms response time. Other features such as PC input allow users to connect a PC for viewing content in a 16:9 high resolution environment. And with integrated HDTV capabilities, you can enjoy digital programming with enhanced audio and video reproduction. Space-saving bottom speaker design (two 10-watt speakers with SRS Tru Surround XT), a simple remote with direct input keys, and VESA compliant mounting holes round out the S-series package.



## FEATURES

At the forefront of technological advancement in every generation of television for the past 40 years, Sony's newest brand, BRAVIA, introduces the next generation of LCD TVs. An acronym for "Best Resolution Audio Video Integrated Architecture", BRAVIA brings three key advances to LCD televisions: larger color gamut, higher refresh rates, and televisions that automatically adjust to ambient light conditions.



Their Super-Patterned Vertical Alignment (S-PVA) panels divide pixels into more segments than was possible with PVA (Pattered Vertically Aligned) technology. These segments have an incredibly fast 8-millisecond response time that increases the television's refresh rate. Dividing the pixel display into more segments also allows a cleaner break between dark and light pixels, improving viewing angles, color, and contrast. The accompanying diagram demonstrates how, by increasing in the number of segments per sub-pixel from one to two, and increasing speed of refresh rate accordingly, picture quality can be achieved that can entirely eliminate flicker and bring the viewing experience to a whole new level.

Sony brings decades of television expertise and experience to LCD with a revolutionary backlight — WCG-CCFL (Wide Color Gamut-Cold Cathode Fluorescent Light) Displaying a color gamut almost 30% larger than a conventional CCFL display, the larger color gamut allows BRAVIA televisions to reproduce more faithfully the colors of real life using new spectrum phosphors to achieve deeper reds, more vivid greens, and cleaner blues. BRAVIA TVs using WCG-CCFL in concert with HDTV standards display an image that is far closer to what your eye would normally expect to see. Images are reproduced with enhanced vibrancy and intensity resulting in an even greater sense of realism.

BRAVIA televisions even feature LCD panels that automatically adjust to ambient light to ensure the optimal image the entire time you're watching. Within every BRAVIA S Series LCD television is an intelligent light sensor that adjusts the screen brightness to match the ambient light in a room. The benefit to you is that the sensor makes your viewing experience more comfortable. In a dim room, for example, the screen automatically reduces brightness. This "intelligent" adjustment results in a more satisfying television viewing experience.

## KLV-32U100M (32") and KLV-40U100M (40")

Providing exceptional value and performance, the KLV-32U100M (32") and KLV-40U100M (40") HD monitors are identical to the S Series, except that they don't have a tuner. They are designed to receive HD and standard TV signals via set top boxes (cable or satellite).

## BRAVIA S SERIES

- ◆ Integrated HDTV lets you watch digital television programs and enjoy the audio/video quality offered by these programs.
- ◆ Component video input offers the best video quality for DVD (480p and 480i), and digital set-top box (1080i, 720p, 480p and 480i) connections.
- ◆ HDMI Interface (High-Definition Multimedia Interface) provides an uncompressed, all-digital A/V interface between the TV and any HDMI-equipped A/V component, like set-top box, DVD player and A/V receiver. HDMI supports enhanced, or high-definition video, plus multi-channel digital audio.
- ◆ WEGA GATE Easy Operation Guide allows you to easily navigate to the most convenient TV functions: favorite channels, TV channel list, external input list or settings.
- ◆ CineMotion technology using the reverse 3-2 pull down technology, the Cinemotion feature provides smoother picture movement when playing back movies or other video sources on film.
- ◆ VESA compliant mounting holes
- ◆ Freeze function allows you to freeze one screen while the other screen continues showing the program.
- ◆ PC Input allows you to connect your PC and display the PC screen on your TV.
- ◆ ATSC Integrated Tuner allows the reception of local, off-air digital broadcasts providing the viewing of free, true high-definition network programming without the addition of a set top box or a monthly fee.
- ◆ Wide Screen Mode allows you to watch 4:3 normal broadcasts in wide screen mode (16:9 aspect ratio).
- ◆ Light Sensor allows the picture brightness level to be optimized to ambient light. The effect from the Light Sensor depends on the setting of Picture Mode and Power Saving. The factory setting is Off.
- ◆ SRS TruSurround XT audio enhancement delivers a full and immersive Virtual Surround Sound experience from any two-speaker system playback system using any multi-channel audio source.
- ◆ Bottom speaker design saves space and delivers dynamic sound.
- ◆ Caption Vision/Info Banner allows Closed Caption and/or Channel Programming Information to be displayed.

	KDL-26S2010	KDL-32S2010	KDL-40S2010	KDL-46S2010
Display Resolution	1366 x 768	1366 x 768	1366 x 768	1366 x 768
Screen Size (Diagonal)	16"	32"	40"	46"
Display Panel Technology	S-PVA LCD	S-PVA LCD	S-PVA LCD	S-PVA LCD
HDMI Connection:	1 Rear (with L/R RCA audio)	1 Rear (with L/R RCA audio)	1 Rear (with L/R RCA audio)	1 Rear (with L/R RCA audio)
PC Input	1 Rear with D-sub 15 and L/R stereo mini plug connections			
Component Video Inputs	2 Rear	2 Rear	2 Rear	2 Rear
S-Video Inputs	2 (1 side/1 rear) Rear with Auto S Video Input Detection			
Composite Video Inputs	3 (1 side/2 rear)	3 (1 side/2 rear)	3 (1 side/2 rear)	3 (1 side/2 rear)
RF Connection Input	1 Rear	1 Rear	1 Rear	1 Rear
Audio In	5 (1 side/4 rear)	5 (1 side/4 rear)	5 (1 side/4 rear)	5 (1 side/4 rear)
Audio Out (Variable/Fixed)	1 Rear	1 Rear	1 Rear	1 Rear
Digital Audio Output(s)	1 Rear	1 Rear	1 Rear	1 Rear
Headphone Output(s)	1 Side	1 Side	1 Side	1 Side
Viewing Angle (L/R x U/D)	178° x 178°	178° x 178°	178° x 178°	178° x 178°
Aspect Ratio	16:9	16:9	16:9	16:9
Contrast Ratio	1300:1	1300:1	1300:1	1300:1
Panel Response Time	8 ms (gray to gray)	8 ms (gray to gray)	8 ms (gray to gray)	8 ms (gray to gray)
Tuner	ATSC Digital Tuner	ATSC Digital Tuner	ATSC Digital Tuner	ATSC Digital Tuner
Comb Filter	3D digital	3D digital	3D digital	3D digital
Picture Modes	Vivid/Standard/Custom			
Wide Mode (16:9)	Wide Zoom/Normal/Full/Zoom			
Light Sensor	Yes	Yes	Yes	Yes
Noise Reduction	Yes	Yes	Yes	Yes
Advanced Video Processor	Motion and edge adaptive I/P converter; Contrast enhancer circuit; MPEG noise reduction; Green and blue enhancer; CineMotion/Film Mode/Cinema Drive			
VESA Compliant	Yes	Yes	Yes	Yes
Energy Star Compliant	Yes	Yes	Yes	Yes
VESA FDMI Compliant	Yes	Yes	Yes	Yes
Sound Mode	Dynamic/Standard/Custom			
SRS TruSurround XT	Yes	Yes	Yes	Yes
Dolby Digital Decoding	Yes (AC3 for ATSC)	Yes (AC3 for ATSC)	Yes (AC3 for ATSC)	Yes (AC3 for ATSC)
MTS Stereo Decoder	Yes	Yes	Yes	Yes
A/V Sync	Yes	Yes	Yes	Yes
Picture Freeze	Yes	Yes	Yes	Yes
Favorite Channel	Yes	Yes	Yes	Yes
Channel Label / Skip, Add	Yes	Yes	Yes	Yes / Yes
Parental Control (V-Chip)	Yes	Yes	Yes	Yes
Input Skip	Yes	Yes	Yes	Yes
Power Save Mode	Yes	Yes	Yes	Yes
Clock	Yes	Yes	Yes	Yes
Sleep Timer / Timer Clock	Yes	Yes	Yes	Yes
Auto SAP / Video Label	Yes	Yes	Yes	Yes
Closed Caption (CC)	Yes	Yes	Yes	Yes
ID1 Detection	Yes	Yes	Yes	Yes
Weight with Pedestal	28.7 lbs.	37.5 lbs.	59.5 lbs.	75 lbs.
Weight w/o Pedestal	25.3 lbs	33.1 lbs.	46.3 lbs	61.7 lbs.
Dimensions with Pedestal	25 <sup>29</sup> / <sub>32</sub> x 20 <sup>5</sup> / <sub>16</sub> x 8 <sup>5</sup> / <sub>8</sub>	31 <sup>1</sup> / <sub>16</sub> x 23 <sup>11</sup> / <sub>32</sub> x 8 <sup>5</sup> / <sub>8</sub> "	38 <sup>7</sup> / <sub>16</sub> x 28 <sup>9</sup> / <sub>16</sub> x 13 <sup>5</sup> / <sub>32</sub> "	44 <sup>1</sup> / <sub>8</sub> x 31 <sup>3</sup> / <sub>8</sub> x 13 <sup>5</sup> / <sub>8</sub> "
Dimensions w/o Pedestal	25 <sup>29</sup> / <sub>32</sub> x 18 <sup>1</sup> / <sub>2</sub> x 3 <sup>23</sup> / <sub>32</sub> "	31 <sup>3</sup> / <sub>16</sub> x 21 <sup>1</sup> / <sub>2</sub> x 3 <sup>7</sup> / <sub>8</sub> "	38 <sup>8</sup> / <sub>16</sub> x 26 <sup>5</sup> / <sub>32</sub> x 4 <sup>1</sup> / <sub>16</sub> "	44 <sup>1</sup> / <sub>8</sub> x 29 <sup>1</sup> / <sub>4</sub> x 4 <sup>5</sup> / <sub>8</sub> "

**KDL-32S2400 • KDL-40S2400****32- and 40" BRAVIA 720p HDTVs**

Stepping up, the 32" KDL-32S2400 models 40" KDL-40S2400 still feature 1366 x 768 screen resolution, but are equipped with ACE (Advanced Contrast Enhancement) technology for optimized dynamic contrast ratio of up to 5,000:1 (the on-screen contrast ratio is 1300:1). Additionally, Sony's BRAVIA Engine, delivers a clear, sharp picture from any source material.

The models' narrow, picture frame black bezel incorporates invisible bottom speakers with SRS TruSurroundXT and BBE Digital Enhancement technology. Other features include a built-in ATSC tuner, HDMI and PC inputs, as well as two high-definition component, two S-video and two composite inputs.



◆ Same features as the Bravia S Series (previous page) plus it adds ACE (Advanced Contrast Enhancement) technology. Most TV manufacturers use either Dynamic Contrast Ration or Contrast Ratio (VESA). Sony uses a combination of both systems to get the best of each technology and a more realistic picture contrast.

**KDL-40V2500 • KDL-46V2500****32- and 40" BRAVIA 1080p HDTVs**

Next in the BRAVIA line is the V2500 series. Stepping up, the 40" KDL-40V2500 and 46" KDL-46V2500 1920 x 1080 native high-definition resolution models quipped with two HDMI inputs with 1080p capability and the BRAVIA Engine and Live Color Creation technologies. The black bezel, V2500 models feature a space-saving bottom speaker design that helps the sets fit easily into existing AV cabinets. Other features include a digital amplifier with SRS-TruSurround XT and BBE Digital Audio Enhancement technologies for high-quality sound, a PC input, two high-definition component, two S-video and two composite inputs.

	KDL-32S2400	KDL-40S2400	KDL-40V2500	KDL-46V2500
Screen Size	32"	40"	40"	46"
Pixel Resolution	1366 x 768	1366 x 768	1920 x 1080	1920 x 1080
TV Scan Lines	720p	720p	1080p	1080p
S-Video / A/V Inputs	3 / 3	3 / 3	3 / 3	3 / 3
Component Inputs	2	2	2	2
HDMI Inputs	1	1	2	2
Total Audio Power	20 Watts	20 Watts	20 Watts	20 Watts
Size with Stand	31.3 x 23.4 x 8.6"	39 x 28.3 x 13.3"	38.9 x 28.2 x 10.4"	44.1 x 32.8 x 13.3"
Weight with Stand	37.4 lbs	59.5 lbs	52.9 lbs	70.6 lbs

## KDL-40XBR2 • KDL-46XBR2 • KDL-52XBR2

### 40-, 46- and 52" BRAVIA XBR LCD Flat Panel HDTV

Available in 40-, 46- and 52", Sony's BRAVIA XBR flat panel LCD high-definition TVs is the next step in the evolution of TV. They feature Sony's advanced Wide Color Gamut-Cold Cathode Florescent Light (WCG-CCFL) backlighting system, which produces purer white light for a wider and more accurate range of colors. Additionally, the 46- and 52" models utilize S-PVA technology, which produces a wider viewing angle and faster response times. Combined with the exclusive WEGA Engine System, they deliver high contrast, along with a sharper more detailed picture. They feature 1366 x 768 resolution, an integrated ATSC tuner and a CableCARD slot. For convenience, a GUI provides simple menu navigation and easy access to AV controls.



Additionally, an input skip function allows quick access to sources connected to any of the various inputs including HDMI, component video, PC input, USB, composite and S-Video. They have an ultra-narrow, two-tone black and silver bezel design that incorporates two invisible 13-watt speakers driven by Sony's S-Master digital amplifier with SRS TruSurround XT. Also offer mounting holes for increased compatibility with VESA compliant brackets. Last, they let you color your world with an optional custom bezel. Sony offers designer bezels making it possible to complement any decor with color and highlight the elegance of your TV. Available in five colors (Arctic White, Pacific Blue, Velvet Blue, Scarlet Red and Sienna Brown).



#### FEATURES

##### Video

- ◆ ACE (Advanced Contrast Enhancement) dynamic backlighting system automatically senses the average picture level of the video signal and adjusts the intensity of the backlight for improved contrast. With real-time image processing and optimization of backlight levels, ACE technology delivers a dynamic contrast ratio of up to 7000:1, for blacker blacks and better shadow detail.
- ◆ Sony not only pushes resolution to the limits but also brings color reproduction to new heights. Live Color Creation achieves more precise and wider color reproduction using a combination of advanced chroma signal processing algorithms along with their WCG-CCFL (Wide Color Gamut Cold Cathode Fluorescent Lamp). The results have to seen to be believed. Clearer blues, more natural and broader range of greens...vibrant colors throughout any scene.
- ◆ CineMotion technology using reverse 3-2 pull down technology provides smoother picture movement when playing back movies or other video sources on film.

##### High Performance

- ◆ ATSC integrated tuner allows the reception of local, off-air digital broadcasts providing the viewing of free, true high-definition network programming without the addition of a set top box or a monthly fee.
- ◆ Include three HDMI™ 1080p inputs providing an uncompressed, all-digital audio/video interface between the TV and HDMI-equipped components, such as a set-top box, DVD player, or A/V receiver
- ◆ The PC input (HD-15-pin) offers easy connection to your PC, allowing you to use the high resolution BRAVIA XBR-Series Digital TV as a computer monitor.
- ◆ Three composite video inputs (1 side/ 2 rear S-Video input, two component video inputs
- ◆ PC input allows you to connect your PC and display the PC screen on your TV.
- ◆ Light Sensor allows the picture brightness level to be optimized to ambient light.

##### Audio

- ◆ SRS TruSurround XT audio enhancement delivers a full and immersive Virtual Surround Sound experience from any two-speaker system playback system using any multi-channel audio source.

##### Conveniences

- ◆ Navigate a list of up to 16 favorite channels without leaving the current channel.
- ◆ Steady Sound equalizes volume levels so there is consistent output between programs and commercials.
- ◆ Parental Control (V-Chip) block unsuitable programming from younger viewers.
- ◆ WEGA GATE Easy Operation Guide allows you to easily navigate to the most convenient TV functions: favorite channels, TV channel list, external input list or settings.
- ◆ Allows Closed Caption and/or channel programming information to be displayed.

##### KDL-40XBR2

43.8 x 28.3 x 12.8"

##### KDL-46XBR2

49.8 x 31.4 x 12.8"

##### KDL-52XBR2

55.7 x 35 x 15.1"

(212) 444-5003 • 1-800-947-9903 • Quick Dial 813



**KDF-42E2000 • KDF-46E2000 • KDF-50E2000****42-, 46- and 50" Grand WEGA  
Rear Projection 720p HDTVs**

Available in 42" (KDF-42E2000), 46" (KDF-46E2000) and 55" (KDF-55E2000), Sony's 3LCD line features a compact frame design with a bottom speaker, that offers great placement flexibility, fitting into cabinets and smaller spaces than traditional microdisplays. They feature 720p resolution, Sony's WEGA Engine video processing system, which reduces digital video artifacts and Cinema Black Pro for deep black image reproduction. Additionally, they offer two HDMI inputs and a high-definition front component input for HDV camcorders.

**Video**

- ◆ 3LCD technology uses three LCD panels to produce an image. There are three key advantages of 3LCD televisions: A Brighter Picture even in well-lit rooms; Natural Colors are displayed with intense vibrancy; High Detail for spectacular HD performance
- ◆ WEGA Engine™ technology delivers superb picture quality from any video source by minimizing the signal deterioration caused by digital-to-analog conversion and stabilizing the signal processing. The engine features unique Sony® technology, including:
  - High-speed A/D converters for wide-range gradation capture of analog signals
  - 3-D Y/C Comb Filter for minimizing cross color and dot structure artifacts
  - Digital MPEG Noise Reduction Circuit reduces MPEG artifacts such as "block noise" and "mosquito noise" caused by the compression in digital broadcasts
  - Digital Temporal 3-D Noise Reduction (pixel-by-pixel basis)
  - Digital Motion Adaptive I/P (interlace-to-progressive), as well as Edge Adaptive I/P deinterlacing conversion, which improves resolution in video with motion
- ◆ Digital Reality Creation (DRC) Multifunction circuitry replaces the signal's NTSC waveform with near-HD equivalent by digital mapping processing. The DRC Palette option lets you customize the level of detail (Reality) and smoothness (Clarity) to create a customized picture that is optimized for signal quality, viewing conditions and personal preference.

**High Performance**

- ◆ ATSC integrated tuner allows the reception of local, off-air digital broadcasts providing the viewing of free, true high-definition network programming without the addition of a set top box or a monthly fee.
- ◆ HDMI Interface provides an uncompressed, all-digital audio/video interface between the TV and HDMI-equipped components, such as a set-top box, DVD player, or A/V receiver.

**Conveniences**

- ◆ WEGA GATE Easy Operation Guide allows you to easily navigate to the most convenient TV functions: favorite channels, TV channel list, external input list or settings.
- ◆ You can select TruSurround, which adds a 3-dimensional sound to stereo programs, or Simulated, which adds a surround-like effect to mono programs.
- ◆ Steady Sound equalizes volume levels so there is consistent output between programs and commercials.
- ◆ Wide Screen Mode lets you watch 4:3 broadcasts in wide mode (16:9 aspect ratio).
- ◆ Parental Control (V-Chip) block unsuitable programming from younger viewers.

**TAVL1/R****Integrated Home Theater  
System with LCD Monitor**

The TAV-L1/R is an all-in-one home theater system which combines a 32" LCD monitor with a cutting edge technology home theater system. It features an audio unit with integrated DVD/CD/SACD player and S-Master digital amplifier which slides up or down to conceal or reveal the LCD monitor. TAV-L1/R also features S-Force® Pro front surround technology (DSP technology) to envelop you in realistic surround sound without rear speakers. You will also feel the powerful bass sound from the integrated dual subwoofers. Plus it comes equipped with HDMI interface to ensure compatibility with the latest digital source.



## A2000 & XBR SXRD SERIES

### Grand WEGA SXRD Rear Projection HDTVs

*Thin but powerful, the 50" KDS-50A2000, 55" (KDS-55A2000) and 60" (KDS-A2000) deliver outstanding SXRD picture quality and a compact, bottom speaker cabinet design. They feature the WEGA Engine system and 0.61" SXRD chips—one each for red, green and blue color reproduction, delivering over 2 million native pixels (1920 x 1080) for a full high-definition picture, as well as picture technologies as Cinema Black Pro that delivers a contrast of up to 10,000:1 based on overall light levels of the original source. The line also offers two HDMI inputs with 1080p capability and a front component input for HDV camcorder and PC input.*



*The KDS-R60XBR2 (60") and KDS-R70XBR2 (70") step-up with Digital Reality Creation Multi Function Version Two Point Five (DRC-MFv2.5), high resolution video processing technology which provides crisp and clear pictures. This technology enables the digital mapping of not only conventional NTSC sources, but also 1080i HD signals. They offer Twin-View 2-tuner Picture-in-Picture (split-screen) allowing you to watch two programs side by side with the ability to zoom in on one picture and listen to the program in the selected window, and are digital cable-ready with an integrated CableCARD slot and TV Guide on screen program guide. They also feature removable side speakers.*

#### SXRD Technology:

SXRD display technology was developed by Sony's legendary television engineers to meet and exceed the demands of a High Definition image at its full 1080 line resolution. Digitally transmitted HD signals can contain over 2 million individual detail points that need to be displayed accurately and rapidly. SXRD displays those 2 million detail points per SXRD panel accurately since the 3 SXRD panels actually contain enough pixels to fully display a 1080 line picture without interlacing it. SXRD has the speed to create a smooth, film like image. The SXRD panels have a blistering 2.5ms response time (total rise and fall time), which exceeds the demands of even the most rapidly moving High Definition images. And SXRD creates highly accurate, natural colors because the 3-panel design displays all the colors, all the time.

	KDF-42E2000	KDF-46E2000	KDF-50E2000	KDS-50A2000	KDS-55A2000	KDS-60A2000	KDS-R60XBR2	KDS-R70XBR2
Screen Size	42"	46"	50"	50"	55"	60"	60"	70"
Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9	16:9	16:9
Pixel Resolution	1280 X 720	1280 x 720	1280 x 720	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
TV Scan Lines	720P	720p	720p	1080p	1080p	1080p	1080p	1080p
TV Tuner	NTSC/ATSC/QAM	NTSC/ATSC/QAM	NTSC/ATSC/QAM	NTSC/ATSC/QAM	NTSC/ATSC/QAM	NTSC/ATSC/QAM	NTSC/ATSC/QAM	NTSC/ATSC/QAM
S-Video Inputs	1	1	1	1	1	1	1	1
Composite Inputs	3	3	3	3	3	3	3	3
Component Inputs	3	3	3	3	3	3	2	2
HDMI Inputs	2	2	2	2	2	2	3	3
PC Input	—	—	—	1	1	1	1	1
RF Inputs	2	2	2	1	1	1	2	2
Total Audio Power	24 Watts	24 Watts	24 Watts	24 Watts	24 Watts	24 Watts	30 Watts	30 Watts
Size w/ Stand	39.4 x 28.5 x 14.1"	43.2 x 30.2 x 15"	46.6 x 32.6 x 16.1"	46.5 x 33.2 x 17.6"	50.9 x 36 x 19"	55.8 x 39 x 20.3"	66 x 40 x 20.3"	74.3 x 45.5 x 24.2"
Weight w/ Stand	55.8 lbs	58.9 lbs	64.2 lbs	75 lbs	83.8 lbs	94.8 lbs	121 lbs	161 lbs

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**LF-X11****12.1" LocationFree TV**

*LocationFree TV sets you free to live beyond the living room. You can access your favorite content virtually anywhere via the LF-X11's 12" (4:3) screen. Because LocationFree TV is a dual-band wireless TV, reception will be excellent regardless of what types of 2.4GHz devices (such as microwave ovens and cordless phones) you have in your home). Enjoy your favorite programs, movies, even Internet and e-mail, streamed from the Base Station in your living room, bedroom or kitchen. Additionally, LocationFree TV can deliver your personal video content from the Base Station to your wireless LCD monitor via Wi-Fi hotspots or Internet hotspots at airports, universities and cafes. You can even view photos via the Memory Stick slot. Expand your A/V home network in ways you've never dreamed.*

**FEATURES**

- ◆ The LocationFree Base Station connects to a variety of audio visual devices, such as a set top TV tuner, DVD player and personal video recorder (PVR). The 12" LF-X11 can access the base station so you can watch your favorite TV programming, DVDs or PVR content wirelessly in home and over the Internet while on the road.
- ◆ The LF-X11 offers improved wireless performance with a dual-band MAT (Multi-directional Audio & Visual Transmission) antenna, along with a new wireless software system with real-time ARQ (Automatic Repeat request) and rate adoption technology. These enhancements provide stable and multi-directional wireless transmissions with an expanded wireless range of up to 100' in a typical home environment.
- ◆ A/V control using on-screen universal remote control with learning capability
- ◆ Photo Album (GIF, JPEG, PNG, BMP, MPG, MPEG-1 movie) with Memory Stick slot and on-screen hand drawing function
- ◆ Wide Range Mode for extending the wireless range
- ◆ Bundled LocationFree Player software is equipped with a key system, which uniquely identifies each base station and PC loaded with the LocationFree Player by an initial one button registration. As a result, the content sent from the base station over the Internet is viewed only by the intended user.
- ◆ NetAV function simplifies operation and makes installation a snap with a simple worry-free setup wizard. NetAV enables you to connect your Base Station via a broadband internet connection from outside your house (at public wireless access point, hotel etc.) You can enjoy your TV and favorite A/V content virtually anywhere.
- ◆ NetAV incorporates the MPEG-4 ASP (Advanced Simple Profile) compression scheme for content transmission over the internet. The MPEG-4 format provides high quality video at lower data rates and smaller file sizes than the MPEG2 compression standard. Further, MPEG4 features flexible compression ratios and, when combined with the LocationFree service's automatic bit rate control, results in a multimedia experience optimized for the available internet bandwidth.

**LFA-PC2 LocationFree Player Software**

All the software tools you need to enjoy watching live television on your PC anywhere. The LFA-PC2 software enables LocationFree TV owners to stream live TV, VCR or DVD footage from their home (using a Base Station) to a computer over a broadband internet connection. By using broadband Internet, the wireless monitor can access the Base Station in your living room from WiFi Hotspots or an Ethernet port in your hotel room. You can enjoy your personal video content while on a business trip or vacation.

**Optional Accessories for the LF-X11**

**LFA-W1 Wall Mount Attachment:** VESA compliant wall mount attachment designed especially for the LF-X11 in white finish



**LFA-C1/B Cradle:** Designed to hold the LF-X11 with function and style in mind, this innovative cradle not only serves as a great looking stand for your LocationFree television, but it also offers the ability to charge a second battery in a slot in the back. It is great for watching television in the kitchen, on the deck or just about anywhere.

**VM-50 IR Blaster:** Helps control your components when connected to the base station, 5' length.

## LOCATIONFREE LIVING

Wherever you go, your home entertainment goes. Miss nothing. Enjoy everything.

*With LocationFree Living by Sony, wherever you go, your home entertainment will follow. Now every show, every movie, all your created video, and even live moments can be where you are. Watch live TV, TV programming recorded on a digital video recorder (DVR), stored digital video, digital camcorder content, and more on a wide range of devices, including PlayStation Portable System, notebook computers, TVs.*



## FEATURES

- ◆ Take the experience of at-home entertainment with you wherever you go. LocationFree Living employs advanced networking and video technologies such as the AVC Codec (a dream for digital video enthusiasts), integrated wireless LAN, and NetAV7 streaming for smooth access to video content via the Internet.
- ◆ The LocationFree LF-B20 Base Station is equipped with integrated 802.11a/b/g wireless LAN capability, so you're ready to access your media wirelessly from the get go. The Base Station can also act as a wireless access point for other 802.11 a/b/g devices.
- ◆ The use of the AVC (advanced video coding) codec - also called the h.264 codec - means higher picture quality even at lower bit rates, which is how you're able to take the experience of entertainment in your living room to hotels, coffee shops, airports... anywhere else you have broadband access.
- ◆ NetAV enables you to connect your LocationFree Base Station via a broadband Internet connection when you're away from home (hotel, airport, office hot spots, etc.), so you can enjoy your favorite TV shows, movies, created video content, and more wherever you go.
- ◆ It's easier than you can imagine to start your adventure in LocationFree Living. The handy set-up wizard whisks you through the software set-up process, including automatic device registration and automatic set-up for pre-installed security software. The onscreen remote control function makes it easy to navigate your media and services, and the fact that it's equipped with a learning function means that you can replace other remote control devices and control your home theater components through a single, cool-looking graphical user interface.



## LF-B20 LocationFree Base Station

The LF-B20 LocationFree Base Station unlocks a world of portable entertainment. It connects wirelessly in your home, and can stream live television and other video content, with excellent picture quality, through a home network or across the internet to remote devices. When you are away from home, accessing the Base Station is as easy as logging onto the Internet. Log in and watch live TV, change channels, and access and control any additional audio-visual devices hooked up to the system. Featuring integrated 802.11 a/b/g wireless LAN1, NetAV streaming, and the ability to connect to Sony PSP, Windows and Mac OS X computers, TVs, and, coming this fall, Windows Mobile cellular phones

## LF-B10 LocationFree Base Station

The LF-B10 LocationFree Base Station unlocks a world of portable entertainment. Easily connected to your home network, the LF-B10 can stream live television and other video content, with excellent picture quality, through a home network or across the Internet to remote devices. When you are away from home, accessing the Base Station is as easy as logging onto the Internet. Log in and watch live TV, change channels, and access and control any additional audio-visual devices hooked up to the system. Featuring NetAV streaming and the ability to connect to Sony PSP, Windows and Mac OS X computers, TVs, and, coming this fall, Windows Mobile cellular phones.



## LocationFree TV Box

The LocationFree TV Box enables you to view the content being served by your LocationFree Base Station on the TV of your choice, throughout your home or wherever you can access a broadband signal. It's compact and portable, sleekly designed, and able to stream video - wirelessly or via Ethernet - from TV, PC, DVD player, and more. An on-screen remote function lets you control your A/V devices remotely, and the AVC codec and a switchable dual transmission mode deliver exceptional picture quality, even at lower bit rates. Includes A/V out with S-Video out, and a switch to easily toggle between NTSC and PAL. LocationFree Living means you never have to miss a thing.

## DIGITAL DIRECT VIEW TVs

Including both SD (480i) and HD (1080i) resolution, Toshiba's line of integrated direct view TVs all come with NTSC, ATSC and QAM tuning for digital cable in the clear. They feature surround sound, front and rear A/V inputs and come equipped with a universal remote control. The 27D46 (27") and 32D46 (32") are non-flat models with standard 480i display resolution and ColorStream component inputs.

The 27DF46 (27") and 32DF46 (32") are FST PURE flat 4:3 sets, the 26DF56 (26") and 30DF56 (30") are FST PURE flat 16:9 widescreen models. All offer 480i display resolution, ColorStream inputs, and come in a silver with dark grey bezel design.

Stepping up, the 26HF66 (26") and 30HF66 (30") are FST PURE widescreen HDTV models – 1080i display resolution, and come equipped with an HDMI digital input and two sets of ColorStream HD inputs. They also offer a space saving bottom speaker design in silver with black bezel.



	27D46	32D46	27DF46	32DF46	26DF56	30DF56	26HF66	30HF66
Screen Size	27"	32"	27"	32"	26"	30"	26"	30"
ATSC/NTSC/QAM Tuning	✓	✓	✓	✓	✓	✓	✓	✓
CRT Type	FST Black	FST Black	FST Pure	FST Pure	16:9 FST Pure	16:9 FST Pure	16:9 FST Pure	16:9 FST Pure
Velocity Scan Modulation	–	–	–	–	DFine	DFine	DFine	Adjustable
Digital Comb Filter	3-Line	3-Line	3-Line	3-Line	3-Line	3-Line	✓	✓
16:9 Mode with Zoom	✓	✓	✓	✓	–	–	–	–
Theater Wide Modes	–	–	–	–	–	–	5-Mode	5-Mode
BBE Sound	–	–	–	–	–	–	✓	✓
Surround Sound	✓	✓	✓	✓	–	–	–	–
Total Audio Power	5 Watts	5 Watts	1 Watt	1 Watt	5 Watts	5 Watts	10 Watts	10 Watts
Remote Control	4-Item Glow Universal							
Off / Sleep / GamerTimer	✓	✓	✓	✓	✓	✓	✓	✓
V-Chip	✓	✓	✓	✓	✓	✓	✓	✓
HDMI Input	–	–	–	–	–	–	✓	✓
RF Input	✓	✓	✓	✓	✓	✓	✓	✓
Rear A/V Input	✓	✓	✓	✓	✓	✓	2	2
Rear S-Video Input	✓	✓	✓	✓	✓	✓	2	2
Component Inputs	✓	✓	✓	✓	✓	✓	2 HD	2 HD
Front Panel A/V Jacks	✓	✓	✓	✓	✓	✓	A/V/S	A/V/S
Headphone Jack	–	–	✓	✓	✓	✓	–	–
Video Output	✓	✓	✓	✓	✓	✓	–	–
Audio Output	Fixed	Fixed	Fixed	Fixed	–	–	Variable	Variable

## TV/DVD COMBOS

Toshiba offers seven TV/DVD combination models includes two high definition models and five standard definition models. The MD13Q42 (13") and MD20Q42 (20") are standard definition TV/DVD models featuring a full featured integrated DVD player, front firing speakers, four picture preference modes, a front A/V and headphone jack and a JPEG viewer. Stepping up, the MD14F52 (14"), MD20F52 (20") and the MD24F52 (24") are also standard definition but are FST PURE flat screen CRT TVs that provides greater edge detail and a wider viewing angle. The MD20F52 and the MD24F52 also offer StableSound, a Digital Comb Filter and WMA/MP3 playback. The two widescreen FST PURE flat high definition models, MD26H82 (26") and MD30H82 (30") feature 540p/1080i resolution display, include VSB/QAM digital tuners, a HDMI input and a USB port. They also come equipped with a Digital Comb Filter and offer DivX, WMA, MP3 and JPEG playback.



### TV/DVD COMBOS

**MD13Q42:** 13" diagonal TV/DVD. 14.3" x 15" x 14.4" (WHD).

**MD20Q42:** 20" diagonal TV/DVD. 19.8" x 20.2" x 19.3" (WHD).

### WIDESCREEN FST PURE HIGH DEFINITION TV/DVD COMBOS

**MD26H82:** 26" diagonal TV/DVD Combo. 27.6" x 21.8" x 19.8" (WHD).

**MD30H82:** 30" diagonal TV/DVD Combo. 31.3" x 22.4" x 23.7" (WHD).

### FST PURE TV/DVD COMBOS

**MD14F52:** 14" diagonal. 17.3" x 15.5" x 15.2".

**MD20F52:** 20" diagonal. 22.6" x 20.3" x 19".

**MD24F52:** 24" diagonal. 25.8" x 18.6" x 22.1".



## TV/DVD/VHS COMBOS

The MW14F52 (14"), MW20F52 (20") and MW24F52 (24") are FST PURE flat CRT TVs with full featured integrated DVD players and 4-head Hi-Fi VCRs. The MW20F52 and the MW24F52 feature enhanced multimedia playback for WMA, MP3, JPEG and DivX content. For ultimate convenience, they feature a USB front interface, four picture preference modes and front A/V & headphone jacks. They also have a digital audio output, allowing an easy connection to a Dolby Digital or DTS system for powerful home theater surround sound. Stepping up, the MW27H62 has all the features of the MW24F52 plus includes a VSB/QAM digital tuner. This model can receive HD signals

but it will down-convert them and display them in 480i resolution. Known as "SD Bridge Recording", a down-converted signal allows users to record their favorite HD programs on a VCR tape in SD.

The MW26H82 (26") and the MW30H82 (30") are widescreen 540p/1080i high definition models that come equipped with VSB/QAM digital tuners and offer a HDMI input to ensure that all signals remain in their pure digital form. Like the other Tri-Plays in the line, they allow for WMA, MP3, JPEG and DivX playback, and feature a USB port, four picture preference modes and front A/V and headphone jacks.

### FST PURE TV/DVD/VHS COMBOS

**MW14F52:**

14" diagonal.

18.5 x 16.7 x 15.2".

**MW20F52:**

20" diagonal.

22.5 x 18.9 x 20.3".

**MW24F52:**

24" diagonal.

25.8 x 22.8 x 18.6".

### FST PURE WIDESCREEN HIGH DEFINITION TV/DVD/VHS COMBO WITH A DIGITAL TUNER

**MW27H62:** 20" diagonal. 29.1 x 25.4 x 19.4".

**PURE TV/DVD/VHS COMBO WITH A DIGITAL TUNER:** MW26H82: 26" diagonal. 27.6 x 21.8 x 19.8".

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## 20HL86 • 26HL66 • 32HL66 • 37HL66

## 20-, 26-, 32- and 37" 16:9 TheaterWide LCD HDTVs

Toshiba's 16:9 TheaterWide high-definition 20HL86 (20") LCD TV offers a true HD panel resolution of 720P (1366 x 768) and a contrast ratio of 500:1. It features Digital 3D-Y/C Digital Comb Filter, CableClear DNR, five viewing modes and Cinema Mode (3:2 pulldown). For audio it offers MTS Stereo/SAP with dbx, and Virtual Dolby Surround Sound. Conveniences include illuminated universal remote with DVD control, channel and video input labeling, and closed captioning on mute. For advanced connections, it is equipped with ColorStream HD component video inputs, HDMI interface to eliminate messy cable hookup, and a 15-Pin D-Sub (VGA) input for use with a PC.

The 26HL66 (26"), 32HL66 (32") and 37HL66 (37") step-up with CineSpeed LCD Panel, 800:1, 1200:1 and 1000:1 (respectively) contrast ratio, color temperature control, PixelPure Hi-Bit 12-bit video processing, Color Detail Enhancer, Movie and Sports modes, two-level mute, SurfLock and SRS WOW audio.



## FEATURES

## Video

- ◆ Cinespeed panel LCD sets provide the lightning fast (8 ms or less) response time required by the most demanding home theater enthusiasts.
- ◆ PixelPure Hi-Bit processing means a smooth transition from dark parts of the picture to light, with over 4,000 steps, for significantly more natural images.
- ◆ HD Dynamic Contrast increases contrast and color saturation to create deep, rich images. The intelligent circuitry analyzes both the dark and bright areas of the picture, and separately optimizes the dynamic range in each area of the picture.
- ◆ 3D-Y/C (4MB, 10-Bit) digital comb filter drastically reduces dot crawl, color bleeding, and other cross color interference for razor sharp pictures.
- ◆ Three (Warm, Medium, Cool) user-selectable color temperature settings let you adjust white balance to achieve the best picture in different viewing environments.
- ◆ Five TheaterWide display modes (Standard, Full, TW1, TW2, TW3)
- ◆ Cinema Mode (3:2 Pulldown) eliminates artifacts that can be caused by the process of transferring film to video. This circuitry identifies original film-based content from DVDs, then reassembles the frame sequence to more accurately reproduce the original 24 frame film-based material.

## Audio

- ◆ MTS decoder enables the TVs to accept and decode a broadcast stereo signal. Unlike some systems that delete dbx, MTS provides the full quality of the original stereo broadcast. SAP enables the reception of bilingual broadcasts (when available).
- ◆ StableSound maintains TV volume within a preset range. This eliminates the annoyance of normal program volume being followed by extremely loud commercials or drastic volume fluctuations while changing channels.
- ◆ Virtual Dolby (SRS TruSurround) surround sound using only the TVs built-in speakers
- ◆ SRS WOW technology takes speaker performance to a whole new level. Consisting of three separate sound expanding systems (3D, TruBass and FOCUS), SRS WOW creates a more enveloping sound with enhanced bass and dialogue reproduction.
- SRS 3D creates a wide, three-dimensional sound field from two TV speakers
- From only two small speakers, TruBass will give the effect of an expensive sub bass woofer that will leave the listener amazed by the quality of the sound.
- FOCUS to raise the sound from the speakers of the television in a vertical direction up towards the listener's ears.

## Connections

- ◆ An RF (or antenna) input is available to connect cable TV or an antenna.
- ◆ The best analog connection for high-resolution component video sources, two ColorStream HD high-resolution component video inputs are available to receive 480i, 480p and 1080i HDTV signals. Having two sets of these high definition inputs, provide you with an increased level of connectivity.
- ◆ For easy connection of video games or a camcorder, front panel A/V inputs provide maximum versatility and convenience, allowing you to plug-in without moving the unit away from the wall.
- ◆ If you have even a moderately complicated home theater setup, you probably have a pile of tangled cables on the floor. Replace them with a single HDMI cable. HDMI is an uncompressed digital video and audio interface that supports multi-channel digital audio transmissions and component color spacing for true rendering of HD video.
- ◆ 15-Pin D-Sub (VGA) input allows use as PC computer monitor.
- ◆ Other connections include rear A/V input, S-Video input, headphone jack, audio and video outputs. All except 20" have an optical digital audio output.

## 20HL86 • 26HL66 • 32HL66 • 37HL66

**Conveniences**

- ◆ For easy operation in a dark living room or home theater environment, the ergonomically designed, fully illuminated universal remote comes preprogrammed to operate all functions of four items—the TV, DVD player, VCR and cable box.
- ◆ On-screen display (OSD) gives you effortless control, putting put a host of customizable features at your fingertips. This makes the TV as easy to use as it is advanced.
- ◆ Sleep Timer lets you fall asleep watching TV and have the TV turn itself off up to three hours later (in 10-minute intervals).
- ◆ Closed Captioning on Mute automatically displays captioned information (if available) on-screen when the MUTE button is pressed.
- ◆ V-Chip Parental Control system lets adults decide which show ratings are appropriate for kids. The TV will then block out the video and audio of any program that has a rating beyond selected levels. Adults can override the system at any time using a secret code.
- ◆ For easy switching between two programs, the Channel Return button returns you to the last channel you were viewing.
- ◆ Selected channels can be locked (unlocked with code) to prevent viewing.
- ◆ Channel Labeling allows you to put the Call Letters (e.g., ABC, HBO, etc.) on the screen along with the station numbers, so you always know what channel you're watching.
- ◆ Video Labeling allows you to name each of your video inputs by choosing from a menu of name choices (e.g., VCR, DVD, TV, etc.).
- ◆ Direct Video Input Selection lets you directly access any input on the television via the remote, rather than having to scroll through all the inputs to find the one they want.

**CustomSeries**

Available in 26" (26HLC56), 32" (32HLC56) and 37" (37HLC56) sizes, the CustomSeries models are identical to their HL66 Series counterparts except they eliminate internal tuners. This makes them the perfect value choice for those who choose to use a satellite receiver or cable set-top box as their tuner.

	20HL86	26HL66	32HL66	37HL66
Screen Size	20"	26"	32"	37"
ATSC/NTSC/QAM Tuning	NTSC Only	✓	✓	✓
Panel Resolution	1366 x 768	1366 x 768	1366 x 768	1366 x 768
Contrast	600:1	800:1	1200:1	1000:1
Response Time	N/A	8ms	8ms	8ms
Brightness	450cd/m <sup>2</sup>	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>
Viewing Angle	N/A	176°	176°	176°
3D Y/C Digital Comb Filter	✓	✓	✓	✓
Motion Adaptive De-Interlacing	✓	—	—	—
Auto Aspect Detection	✓	✓	✓	✓
Dynamic Contrast	—	✓	✓	✓
Theater Wide Modes	5-Mode	5-Mode	5-Mode	5-Mode
Cinema Mode (3:2 pull down)	✓	✓	✓	✓
CableClear DNR	✓	—	—	—
MPEG Noise Reduction	—	✓	✓	✓
PixelPure Hi-Bit 12-Bit Digital Video Processing	—	✓	✓	✓
MTS Stereo / SAP w/ dbx	✓	MTS Stereo Only	MTS Stereo Only	MTS Stereo Only
Surround Sound	✓	—	—	—
SRS WOW	—	✓	✓	✓
StableSound	—	✓	✓	✓
Total Audio Power	4 Watts	20 Watts	20 Watts	20 Watts
Universal Remote Control	4-Item	4-Item	4-Item	4-Item
Sleep Timer	✓	✓	✓	✓
V-Chip	✓	✓	✓	✓
HDMI Input	✓	✓	✓	✓
RF Input	1	✓	✓	✓
Rear A/V Input	✓	✓	✓	✓
Rear S-Video Input	✓	✓	✓	✓
HD Component Inputs	✓	2	2	2
Front Panel A/V Jacks	—	—	—	—
PC Input (15-Pin D-Sub)	✓	✓	✓	✓
Headphone Jack	✓	—	—	—
Video Output	—	✓	✓	✓
Audio Output	✓	✓	✓	✓
Optical Digital Output	—	✓	✓	✓
Bottom Speaker Cabinet	✓	✓	✓	✓

**20HLV86 • 23HLV86 • 26HLV66 • 32HLV66 • 37HLV66**

20-, 23-, 26-, 32- and 37" 16:9 TheaterWide LCD 720p HDTVs with Built-in DVD Player

For the ultimate in convenience, these combos eliminate the clutter and confusion of a separate DVD player. Just slip a movie into the slot-loaded player, and the TV does the rest; switching inputs, and starts playing.

Incorporating many of the features from the HL Series (previous page), they are compatible with DVD-R/RW, DVD+R, VCD, SVCD, HDCD, and MP3/WMA embedded CD-R/RW discs. The 20" (20HLV86) and 23" (23HLV86) feature high contrast ratio and high brightness, selectable color temperature, Auto aspect detection, StableSound and a host of conveniences. The 26" 26HLV66 and above step-up with CineSpeed Panel, PixelPure Hi-Bit video processing, MPEG noise reduction, Movie and Sports modes and SRS WOW audio.



	<b>20HLV86</b>	<b>23HLV86</b>	<b>26HLV66</b>	<b>32HLV66</b>	<b>37HLV66</b>
Screen Size	20"	23"	26"	32"	37"
ATSC/NTSC/QAM Tuning	NTSC Only	NTSC Only	✓	✓	✓
Panel Resolution	1366 x 768				
Contrast	1200:1	1200:1	1000:1	1200:1	800:1
Brightness	450cd/m <sup>2</sup>	450cd/m <sup>2</sup>	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>
3D Y/C Digital Comb Filter	3D	3D			
Theater Wide Modes	5-Modes	5-Modes			
Cinema Mode	✓	✓			
Surround Sound	✓	✓			
Total Audio Power	5 Watts	5 Watts	20 Watts	20 Watts	20 Watts
Universal Remote Control	4-Item	4-Item	4-Item	4-Item	4-Item
Sleep Timer	✓	✓	✓	✓	✓
V-Chip	✓	✓	✓	✓	✓
HDMI Input	✓	✓	1	1	1
RF Input	1	1	1	1	1
Rear A/V Input	2	2	1	1	1
Rear S-Video Input	1	1	1	1	1
HD Component Inputs	✓	✓	2	2	2
Front Panel A/V Jacks	—	—	—	—	—
Video Output	—	—	✓	✓	✓
Audio Output	—	—	✓	✓	✓
Digital Audio Output	Coaxial	Coaxial	Optical	Optical	Optical

## 42HP66 • 50HP66

## 42- and 50" Plasma HDTVs

Toshiba new High Definition Plasma TVs, the 42HP66 (42") and 50HP66 (50") utilize 8000:1 high contrast ratio panels for enhanced picture quality. Beautiful just to look at, they have a modern black cabinet with integrated bottom speakers with 20-watts of total power. They feature CableClear DNR+, 3D Y/C digital comb filter, ColorStream HD component video inputs, SRS WOW audio and StableSound. They offer four picture modes, GameTimer, SoundStrip Speaker System and individual A/V settings by input type. They come equipped with digital tuning (ATSC/QAM), dual HDMI inputs, a PC input and illuminated universal remote control.



## FEATURES

- ◆ Equipped with ATSC and QAM tuners, enabling them to receive both digital terrestrial and digital cable broadcasts.
- ◆ They utilize a 8000:1 high contrast ratio panel for enhanced picture quality.
- ◆ CableClear Digital Noise Reduction (by input) reduces visible interference in your TV picture. Very handy when receiving a broadcast with a weak signal (like a cable channel) or playing a disc damaged by repeated use.
- ◆ 3D Y/C (4-MB, 10 Bit) Digital Comb Filter with Vertical Contour Correction
- ◆ For greater flexibility, 15-pin D-sub input lets you use them as computer monitors.
- ◆ SRS WOW technology greatly improves the performance of the TV's sound system. SRS WOW, TruBass, and FOCUS combine to create a three-dimensional sound stage, dramatically improve bass response, and better direct the sound toward the TV watcher, to deliver a superior sound quality compared to a standard TV sound system.
- ◆ Dual HDMI digital Inputs provide uncompressed digital video and digital audio in one convenient single cable for connection to home theater components.
- ◆ Select from four picture quality modes:
  - Sports: Bright and dynamic picture
  - Standard: Standard picture quality
  - Movie: Soft, film-like picture setting
  - Memory or Preference: Your personal preferences (set by you)
- ◆ The SoundStrip speaker system creates a space-saving and cosmetically pleasing design by eliminating the extra space of traditional side or bottom speakers.
- ◆ When the signal source is changed, the StableSound feature limits the highest volume level to prevent extreme changes in volume (for example, to prevent the sudden increase in volume that often happens when a TV program switches to a commercial).
- ◆ Enabling the GameTimer feature allows a parent to set the television to shut off after a specified period of time. The television will stay off until a lockout key code is entered.
- ◆ V-Chip Parental Control system lets adults decide which show ratings are appropriate for kids. The TV will then block out the video and audio of any program that has a rating beyond selected levels. Adults can override the system at any time using a secret code.
- ◆ Closed Captioning on Mute automatically displays captioned information (if available) on-screen when the MUTE button is pressed.
- ◆ New black cabinetry integrates bottom speakers creating a sleek, modern design.
- ◆ Sleep and On/Off timers. Set the On/Off timer in 10 minute increments (up to 12-hours) to turn the TV on or off automatically. Sleep timer can be set in 10 minute increments, up to 3 hours.
- ◆ For optimum display of each type of input source, Individual AV Settings by Input let you make video adjustments for each type of input, such as RF, Composite, S-Video, and each ColorStream component video input.
- ◆ Included illuminated universal remote control will operate many of your home theater components and includes glow keys for ease of operation at night.

	42HP66	50HP66
Screen Size	42"	50"
ATSC/NTSC/QAM Tuning	✓	✓
Panel Resolution	1024 x 768	1366 x 768
Brightness	1200 (peak)	1000 (peak)
HDMI Inputs	2	2
S-Video / A/V Inputs	2 / 2	2 / 2
HD Component Inputs	2	2
PC Input (15-pin D-Sub)	1	1
Digital Audio Output	✓	✓

## 42HM66 • 50HM66 • 56HM66 • 62HM196 • 72HM196

## 46-72" TheaterWide 720p &amp; 1080p HD DLP Projection TVs

*Less than 16" deep, these sets utilize Toshiba's SoundStrip Speaker Technology to minimize cabinetry, while maximizing design. In fact, their front view is actually smaller than many comparable flat panel TV models. The 720p models (42HM66, 50HM66 and 56HM66) use the new TALEN 5 engine incorporating the Texas Instruments HD5 DLP chip and Hi-Bright Radiance 150 Watt Lamp. To further enhance picture quality, they also feature new PixelPure 14-Bit video processing. This high-speed system operates at 333 MHz, and provides true 14-Bit processing for more natural images. In addition to its high bit rate, PixelPure 14-Bit also features new real speed progressive scanning, increased dynamic range, increased sharpness, improved video noise reduction and dynamic gamma for uncompromised picture quality.*

*To offer the best possible home theater experience, they offer unique convenience features such as Channel Browser which lets users use a TV "back button" for quick and easy access to recently viewed channels. It displays the five most recently viewed channels on-screen, and even includes thumbnail pictures for each channel. Favorite Browser allows easy access of up to 32 favorite channels, utilizing the same format as Channel Browser, with channel icons. THINC home entertainment networking allows users to connect their TV to their PC and playback MP3 audio files and JPEG pictures using only the TV remote. And they all feature a CableCARD slot for digital cable compatibility and dual HDMI digital inputs.*

*The 1080p sets (62HM196 and 72HM196) incorporate the TALEN X engine. This engine utilizes the Texas Instruments' xHD4 DLP chip, and Toshiba's Xtreme BLAC aperture control technology to provide twice the pixel resolution, and twice the contrast. XHD provides the detailed picture resolution necessary for large 60" diagonal + screen sizes.*



Stand is optional

## FEATURES

- ◆ A proprietary light engine technology designed and built by Toshiba for Toshiba, TALEN utilizes advanced optics, and step-up TI HD2+ DLP Chip, to create outstanding picture quality.
- ◆ For a crisp, clear picture free of unwanted distortions, a First Surface Mirror places its reflective material on the front of the mirror. This lets light reflect off the front of the mirror without passing through any glass. Standard second surface mirrors, similar to common household mirrors, require light to pass through a glass layer on the way to the reflective surface and then again on the way out. The natural light refraction that occurs causes "ghosting" that results in decreased picture sharpness. First Surface Mirrors eliminate this unnecessary refraction, avoiding image degradation.
- ◆ They include both QAM and ATSC tuners, enabling the sets to receive digital cable-in-the-clear signals, as well as digital terrestrial broadcasts.
- ◆ Black Level Expander increases the black threshold level, so blacks are pure black, not dark gray. This significantly improves overall picture contrast which makes picture appear sharper and more three-dimensional.
- ◆ PixelPure™ Hi-Bit Digital Video Processing - Using 12-bit picture processing (up to 14 bit internally!), We can create 4096 steps of gradation (steps between the whitest white, to the blackest black). That's an improvement of 16x from the 2005 sets, and will also incorporate improvements in areas such as: real speed progressive scanning, video noise reduction, sharpness, and gamma control to set a new standard for picture quality....
- ◆ They use a Radiance 150 Hi-Bright Watt DC lamp. In addition to exceptional light purity and reduced flicker, this lamp also has two user-friendly features. High Brightness and Low Power Modes allow the user to choose 150-Watt Mode for daytime with ambient room light, and 100-Watt Mode for nighttime in a dark room, to extend the lamp life. This lamp also has the unique Instant Restart feature, allowing the TV to be turned on immediately after shutdown, unlike other lamp-based TVs.
- ◆ Toshiba DLP Projection TVs utilize a Digital Fine Pitch Screen. This screen helps create crisp HD resolution with its super fine screen pitch. It also has an Anti-Glare Coating to reduce unwanted reflections from ambient room light, which helps increase contrast for deeper blacks.

# 42HM66 • 50HM66 • 56HM66 • 62HM196 • 72HM196

## Audio

- ◆ Equipped with fixed and variable audio output allowing sound to be sent to additional A/V equipment like an A/V receiver, speakers or even wireless headphones. Best of all, you can adjust the volume level (and tone, if available) through the TV remote control.
- ◆ Scoop Cabinetry design with SoundStrip uses new a thin-line speaker system with enhanced dynamic range that yields big speaker sound in a new cabinet that produces a 50" DLP that has less height and width than many 50" plasma models.

## Connections

- ◆ RF (or antenna) inputs are available to connect cable TV or an antenna.
- ◆ The best analog connection for high-resolution component video sources, two ColorStream HD high-resolution component video inputs are available to receive 480i, 480p and 1080i HDTV signals. Having two sets of these high definition inputs, provide you with an increased level of connectivity.
- ◆ If you have even a moderately complicated home theater setup, you probably have a pile of tangled cables on the floor. Replace them with a single HDMI cable. HDMI is an uncompressed digital video and audio interface that supports multi-channel digital audio transmissions and component color spacing for true rendering of HD video.
- ◆ They are equipped with a CableCARD slot so you can receive standard definition and high definition digital broadcasts—without requiring a bulky set-top cable box. CableCARD is a cable TV standard that incorporates the functions of a traditional cable box into a small device that fits in a slot in your TV. With CableCARD, you can receive digital cable services, including premium and HDTV cable channels, without the need for a set-top box. Services and the module are supplied by the local cable company.
- ◆ THINC (Toshiba Interactive Network Connection) is a RJ-45 ethernet port that allows the TVs to connect to a desktop or laptop PC. This allows you to access MP3 or JPEG files on your PC, using only the TV remote. If your TV is connected to your audio system, you can then use your stereo system to play back your MP3 files.

	42HM66	50HM66	56HM66	62HM196	72HM196
Screen Size	42"	50"	56"	62"	72"
ATSC/NTSC/QAM Tuning	✓	✓	✓	✓	✓
DLP Engine Light Engine	HD5 720p DLP	TALEN 5 DLP	TALEN 5 DLP	TALEN XHD 1080p DLP	TALEN XHD 1080p DLP
Radiance 150 Hi-Bright Lamp with Quick Restart	–	✓	✓	✓	✓
TheaterFine DFP Screen	–	✓	✓	✓	✓
PixelPure Hi-Bit 12-Bit Digital Video Processing	–	✓	✓	✓	✓
First Surface Mirror	–	✓	✓	✓	✓
3D Y/C Digital Comb Filter	✓	✓	✓	✓	✓
Auto Aspect Detection	–	480i	480i	✓	✓
Dynamic Contrast	–	✓	✓	✓	✓
Theater Wide Modes	–	✓	✓	✓	✓
Cinema Mode (3:2 pull down)	–	✓	✓	✓	✓
CableClear DNR+	–	✓	✓	By Input	By Input
MTS Stereo / SAP w/ dbx	✓	✓	✓	✓	✓
SRS WOW	✓	✓	✓	✓	✓
StableSound	✓	✓	✓	✓	✓
Total Audio Power	20 Watts	20 Watts	30 Watts	30 Watts	30 Watts
SoundStrip Speaker Sys.	–	4D	4D	–	–
Separate Woofer / Tweeter	–	✓	✓	–	–
Universal Remote Control	4-Item	4-Item	4-Item	4-Item	4-Item
Off/Sleep/Game Timer	Sleep	✓	✓	✓	✓
V-Chip	✓	✓	✓	✓	✓
HDMI Input	1	2	2	2	2
RF Input	1	2	2	2	2
Rear A/V Input	1	1	2	1	1
Rear S-Video Input	1	1	2	1	1
HD Component Inputs	2	2	2	2	2
Side Panel A/V Jacks	–	A/V/S	A/V/S	A/V/S	A/V/S
PC Input (15-Pin D-Sub)					
RJ45 Jack (THINC)	–	–	–	✓	✓
Video Output	–	✓	✓	✓	✓
Audio Output	✓	F + V	F + V	F + V	F + V
Dolby Digital Optical Output	–	✓	✓	✓	✓
TheaterLink IR	–	2	2	✓	✓